

FIG. 1

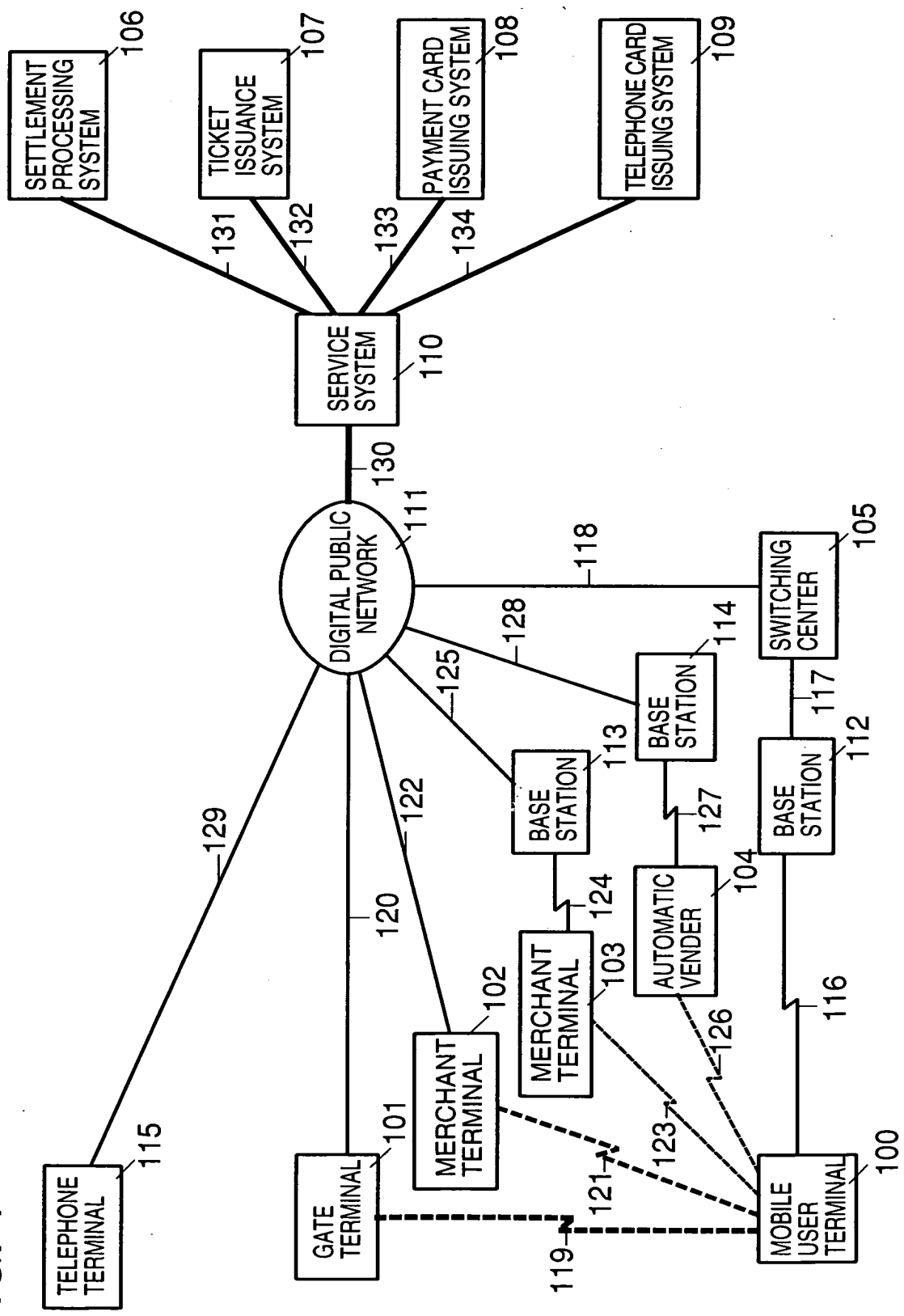


FIG. 2A

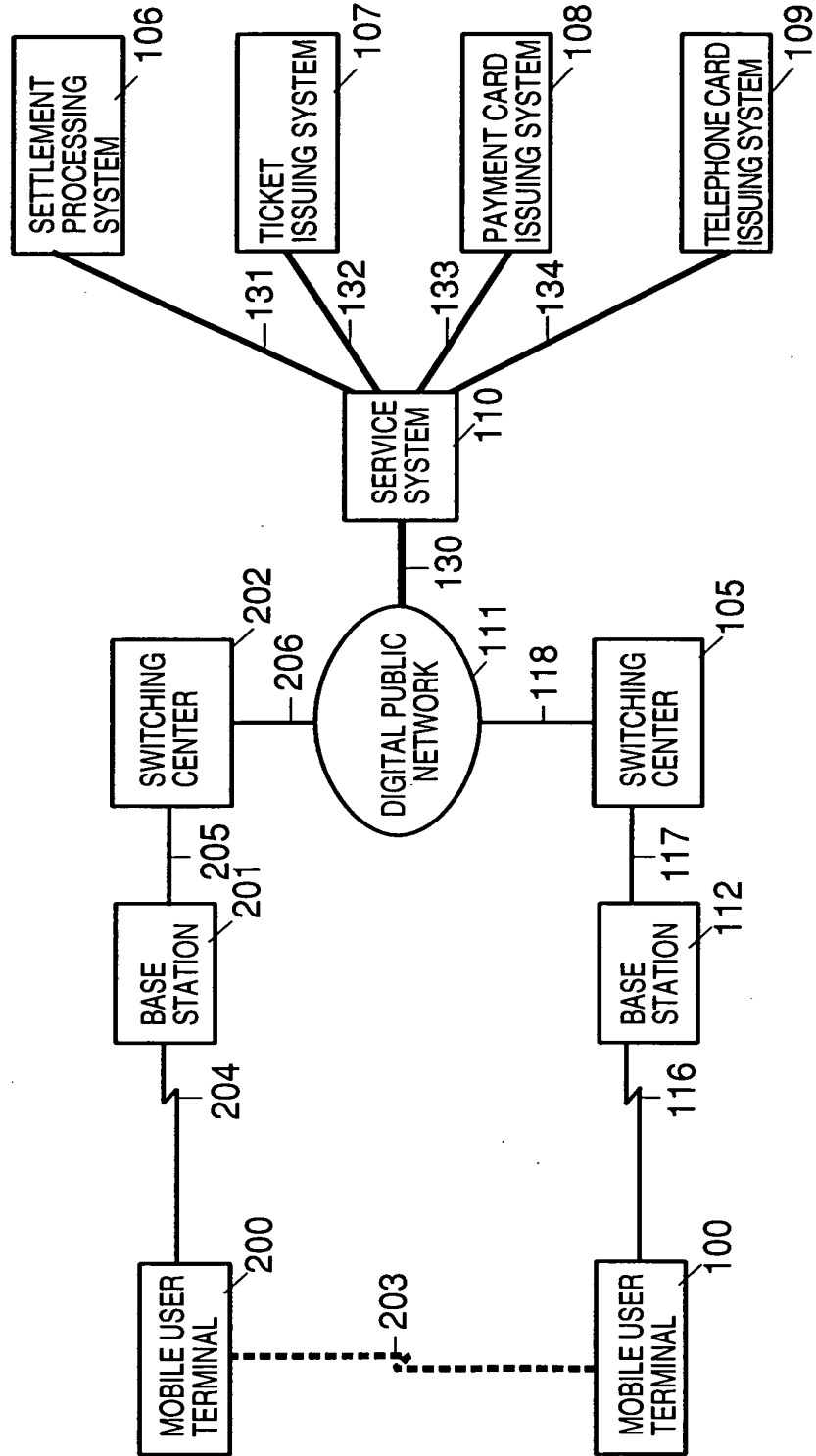


FIG. 2B

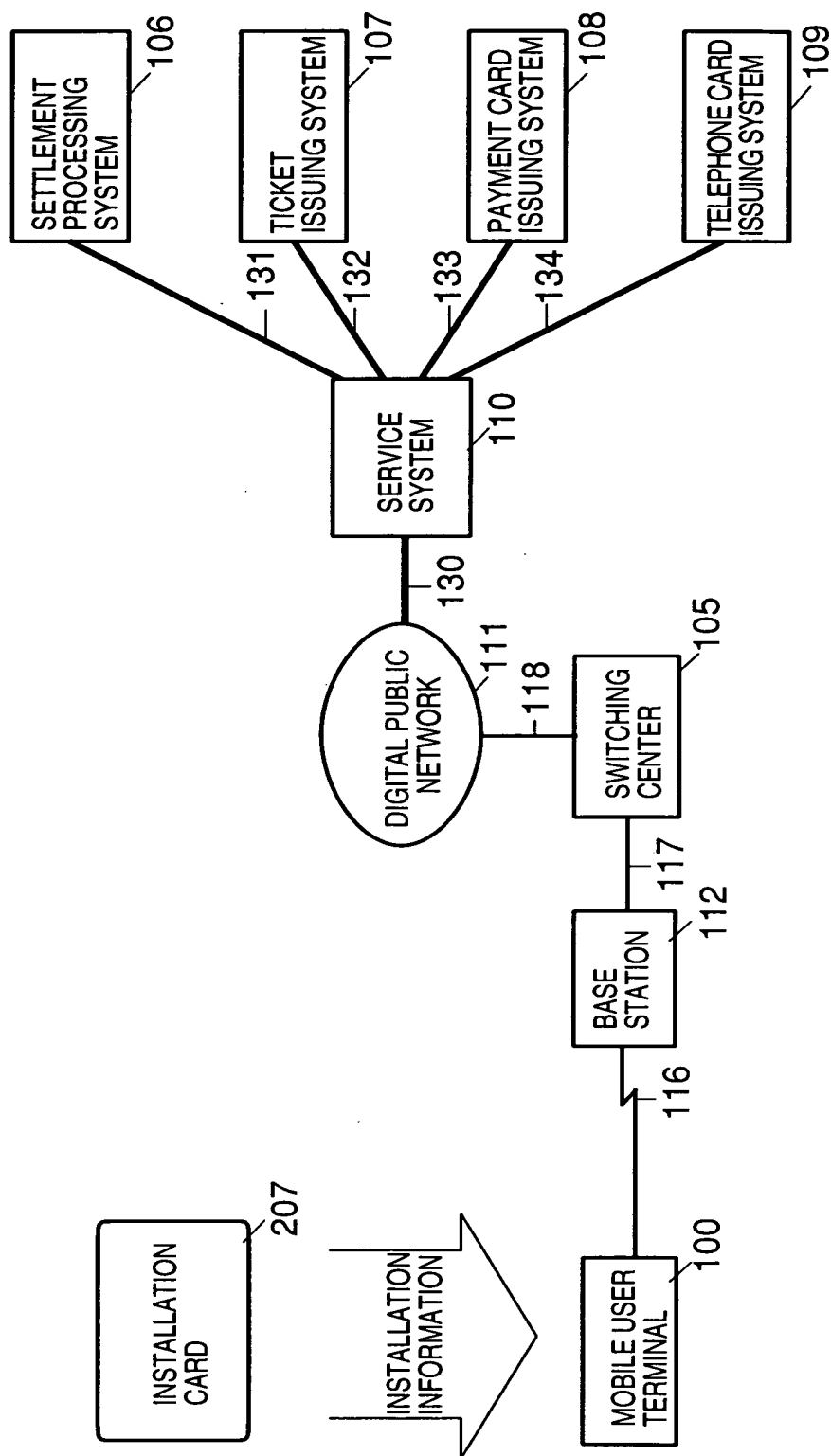


FIG. 3C

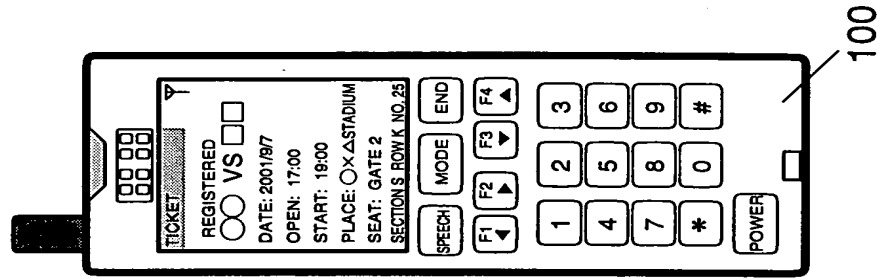


FIG. 3B

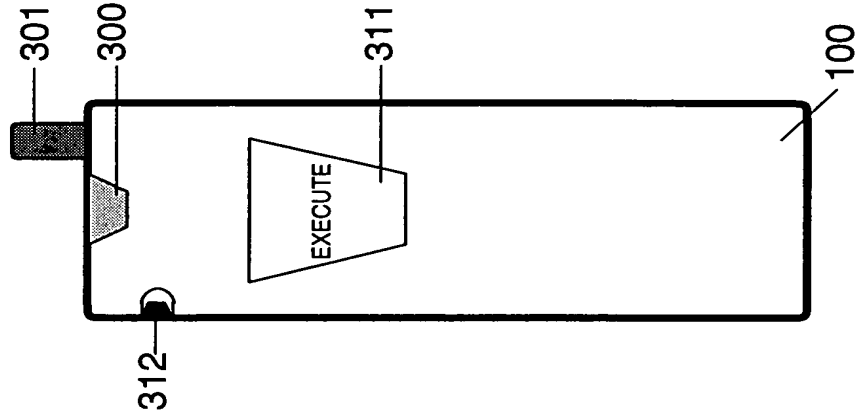


FIG. 3A

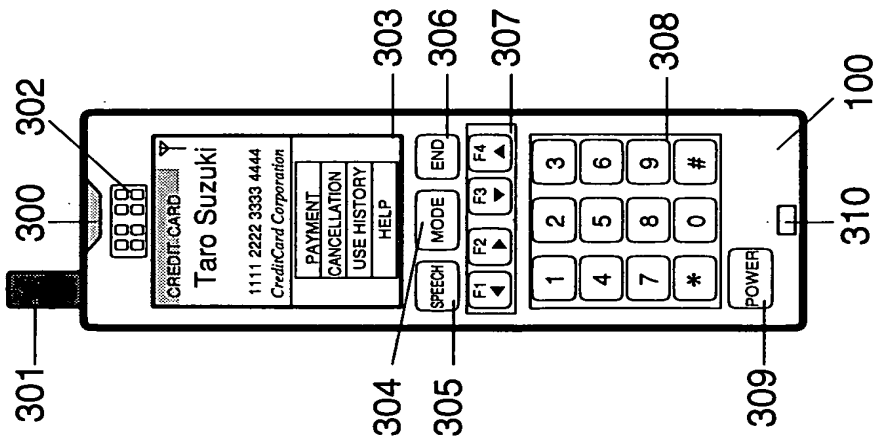


FIG. 3D

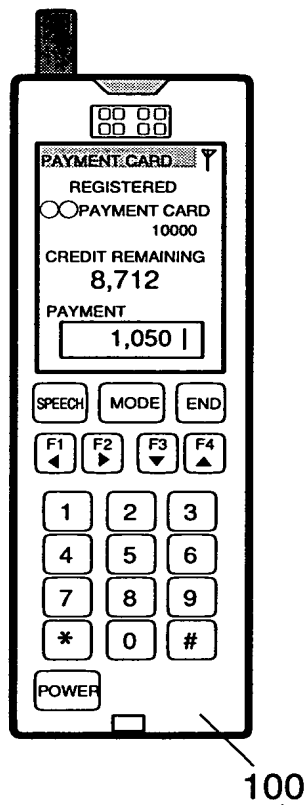
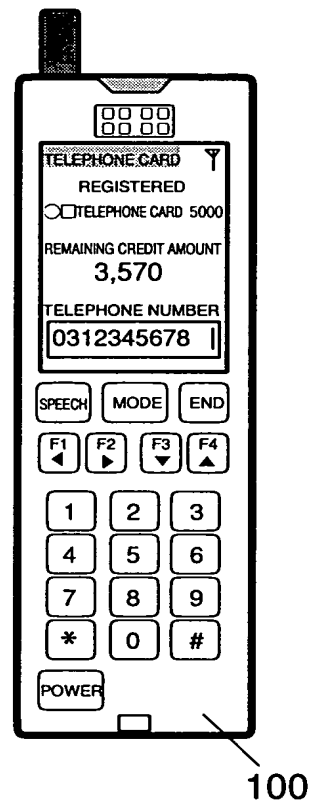


FIG. 3E



MOBILE USER TERMINAL

FIG. 3F

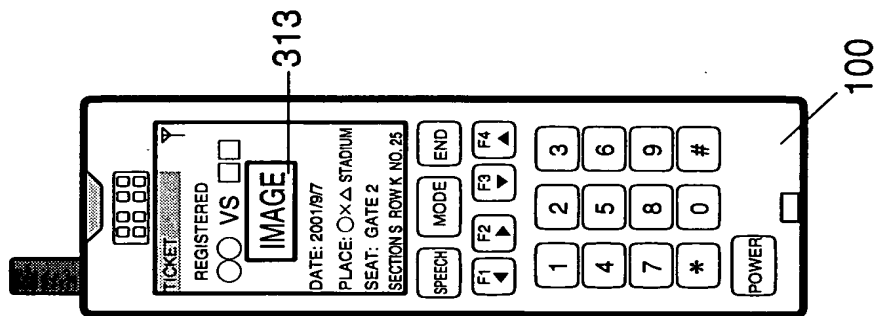


FIG. 3G

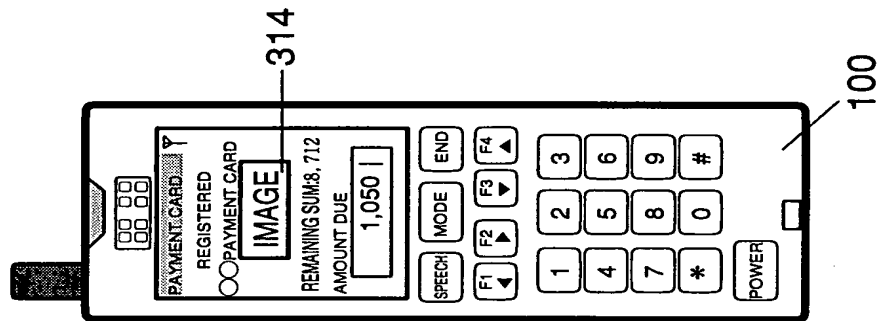


FIG. 3H

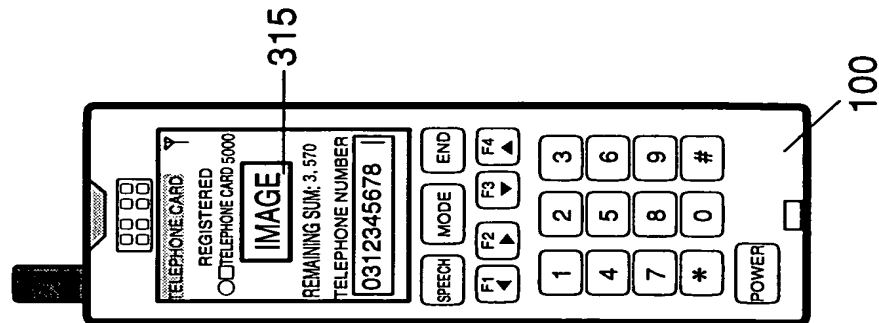
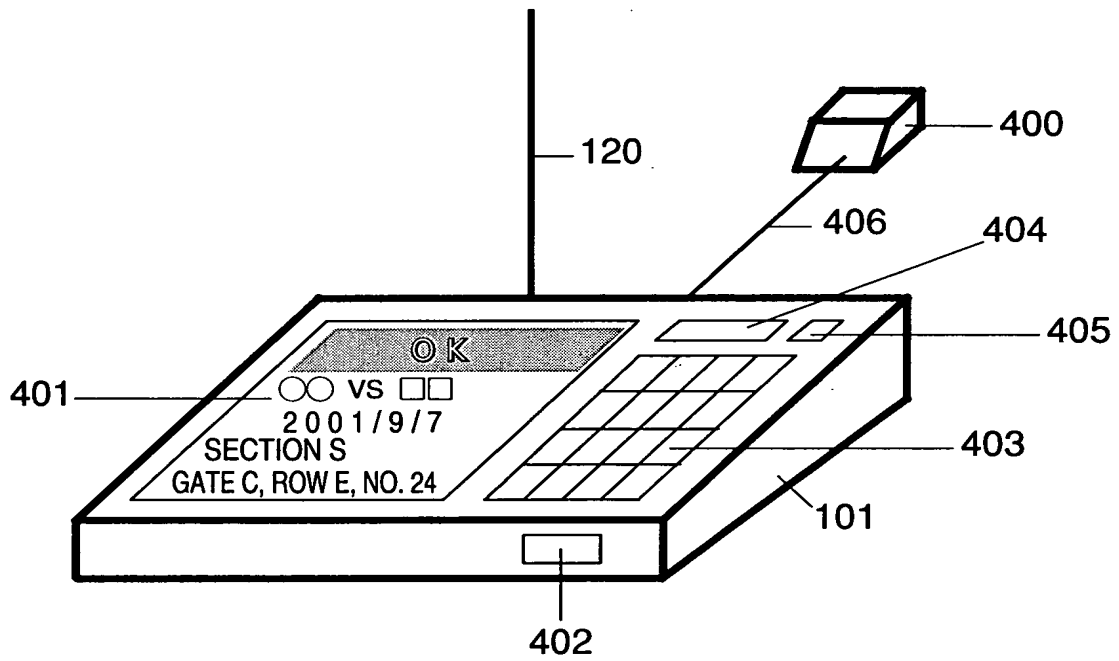
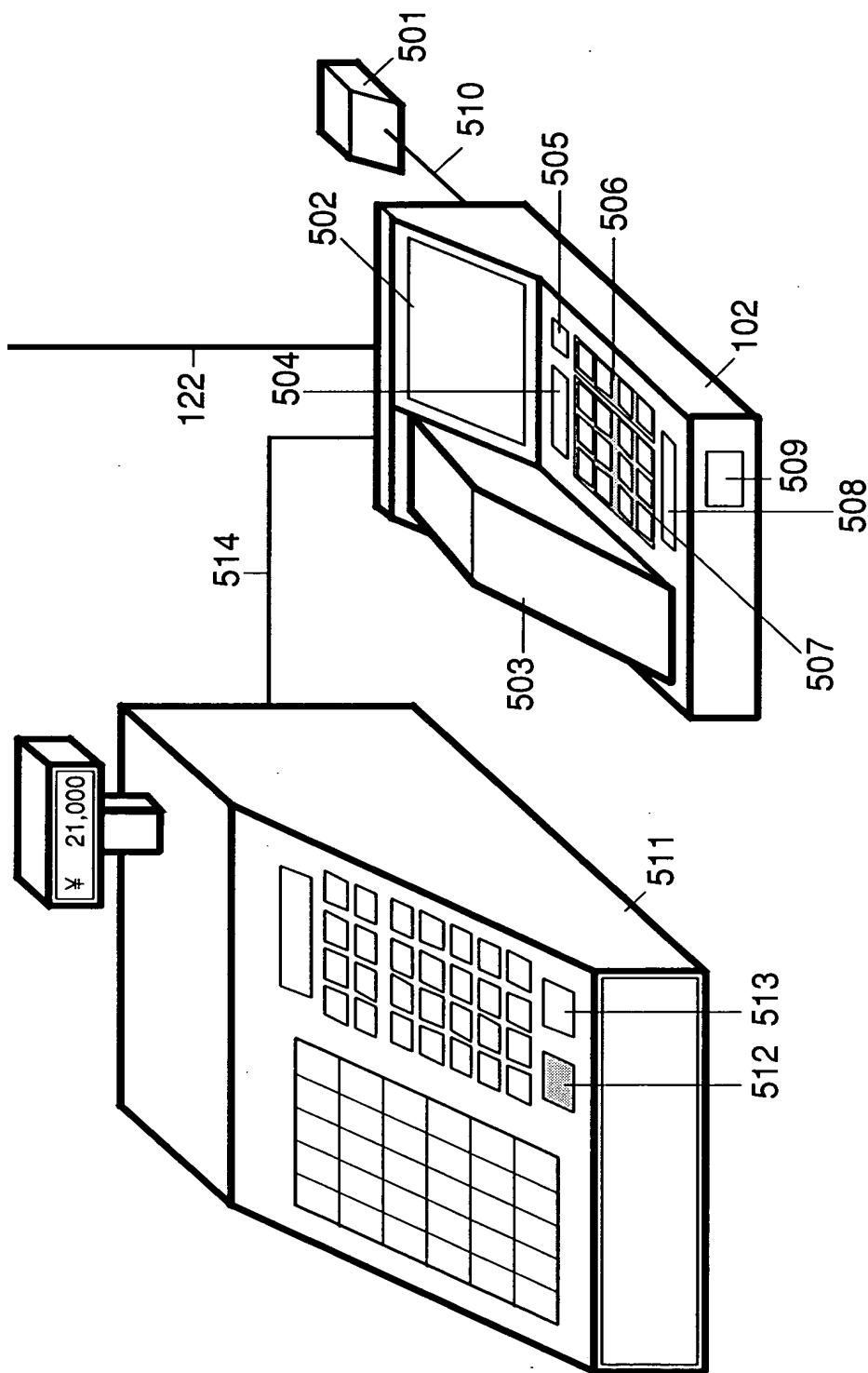


FIG. 4



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**FIG. 5**



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FIG. 6A

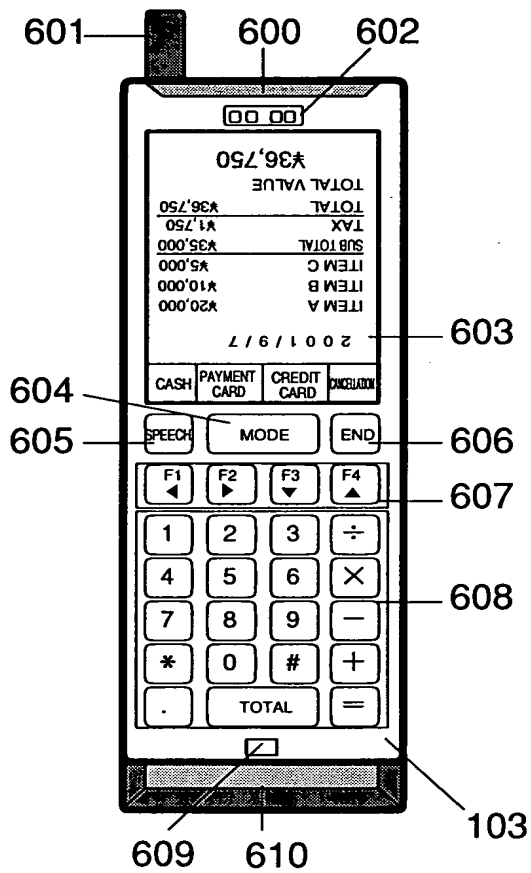
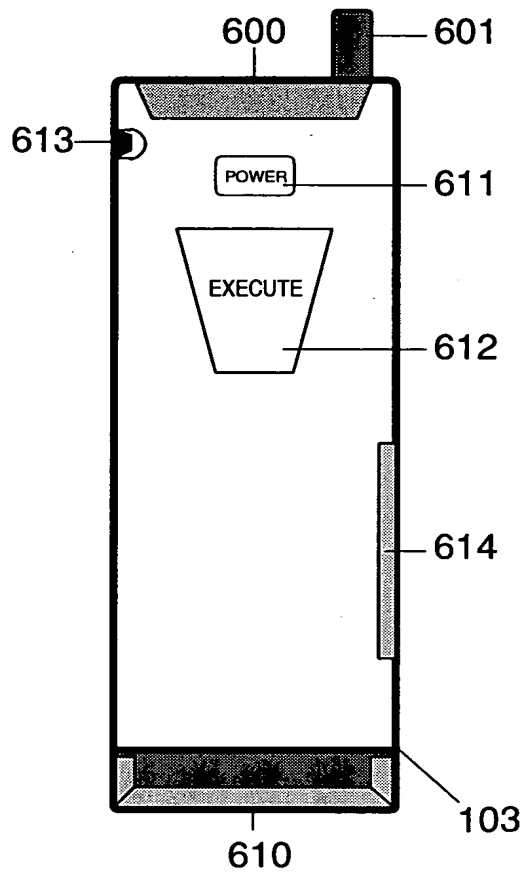
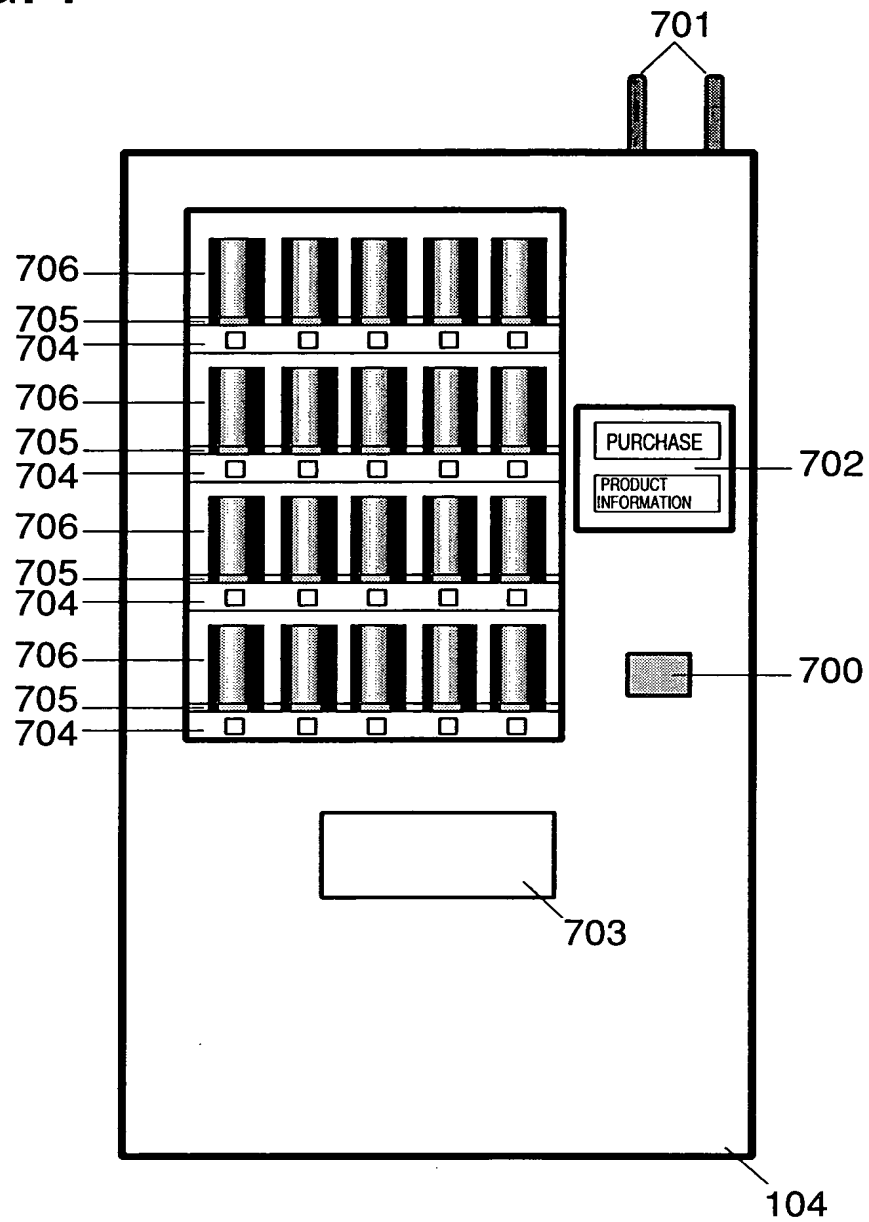


FIG. 6B



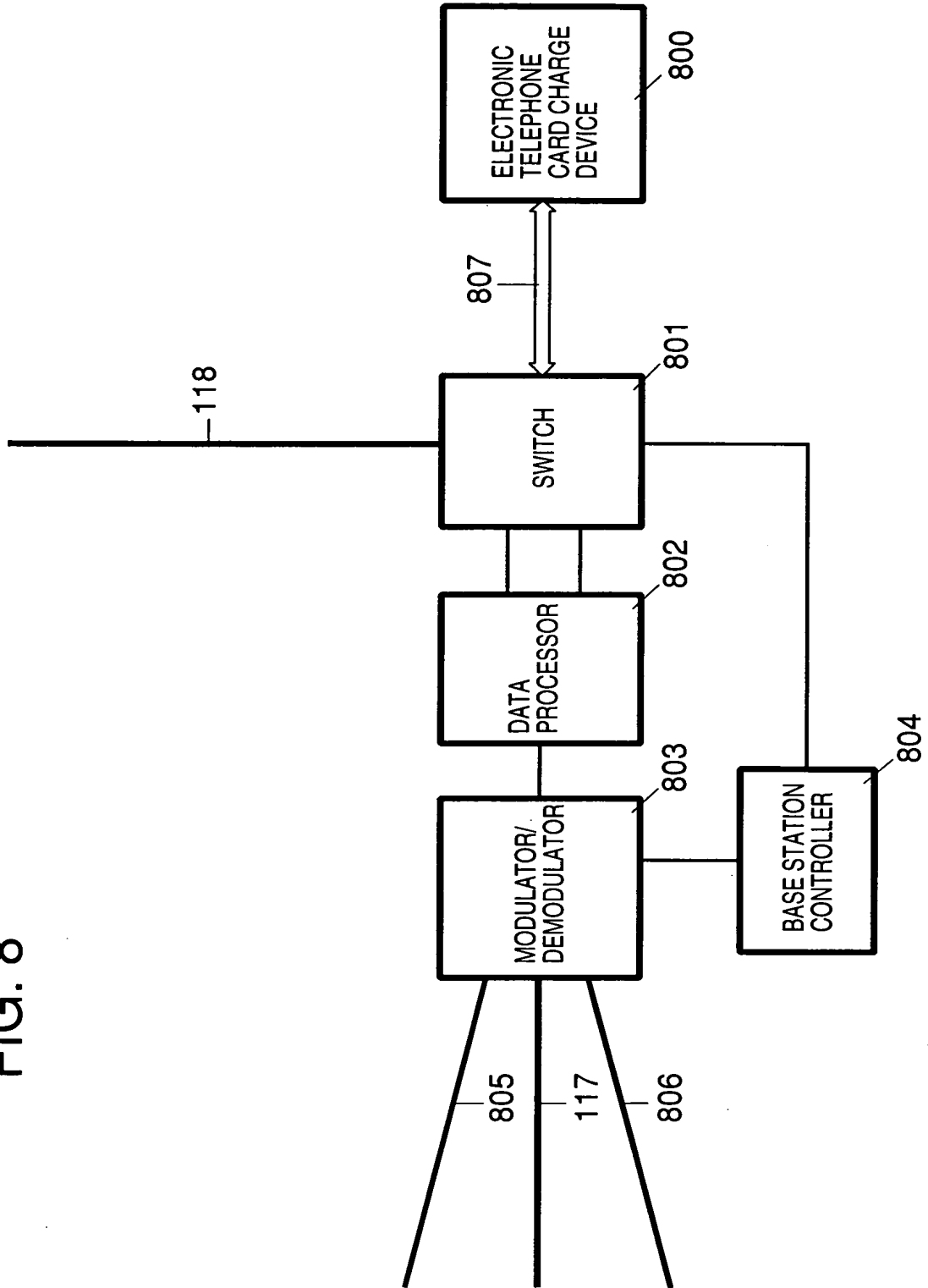
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FIG. 7



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FIG. 8



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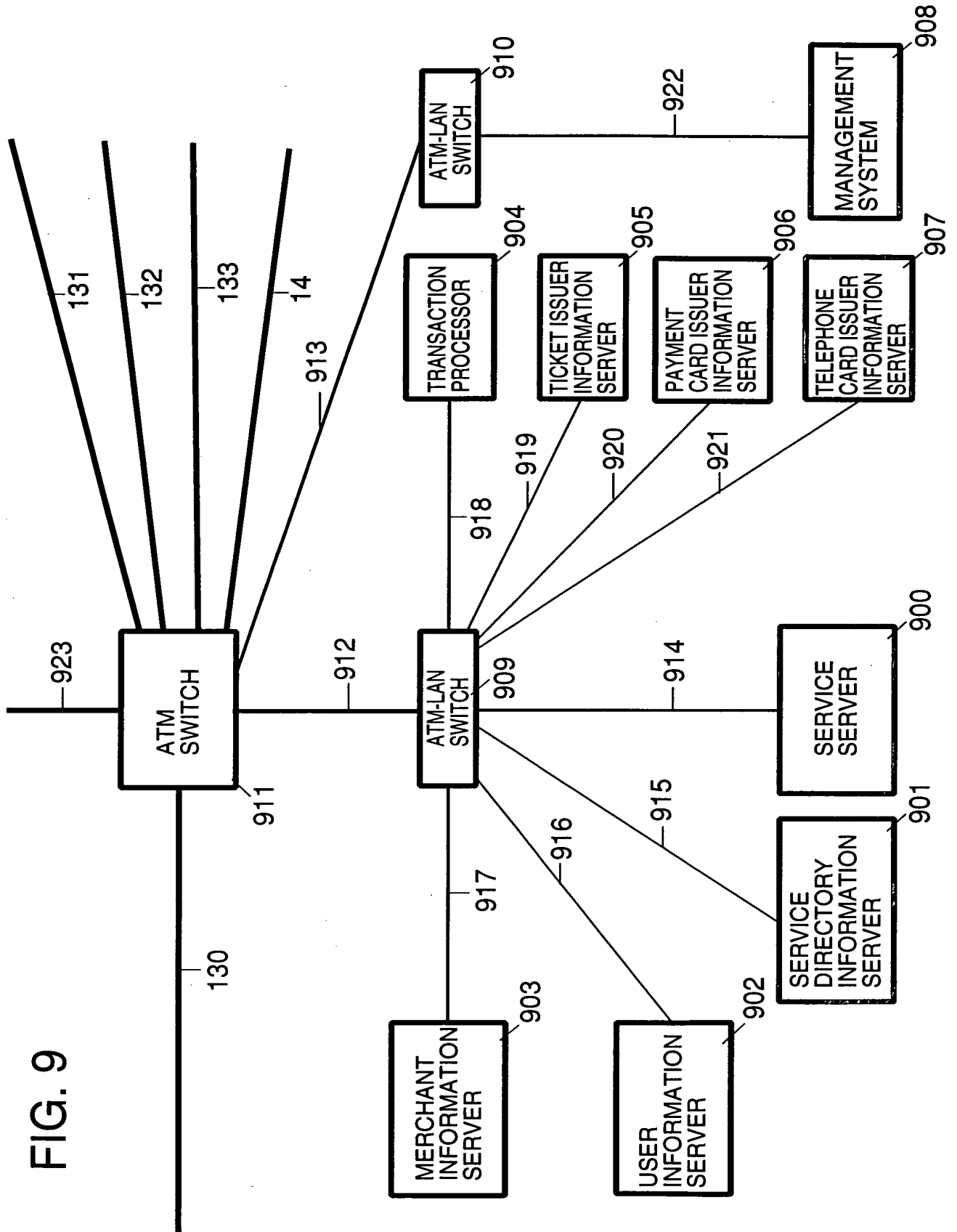


FIG. 10

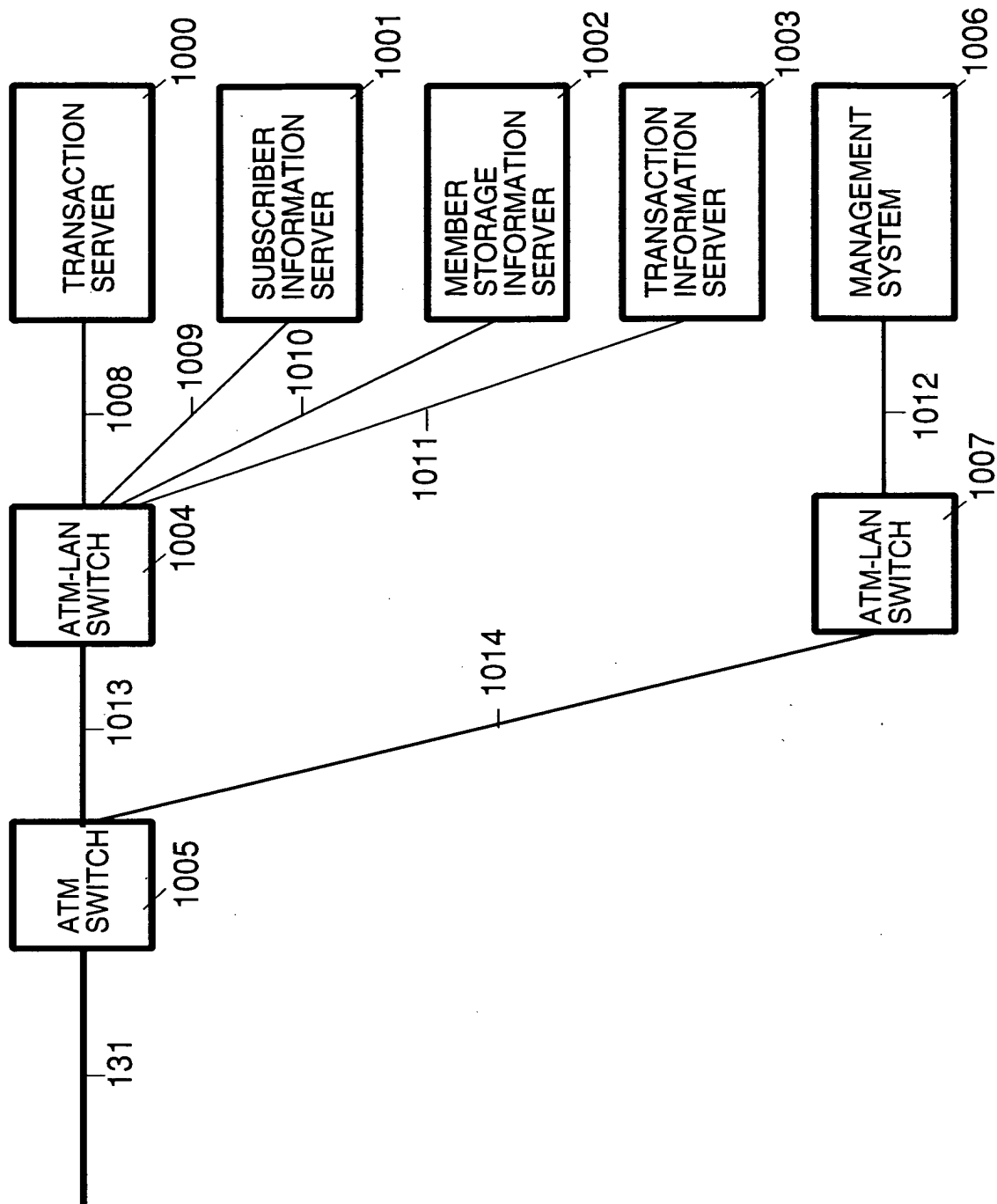
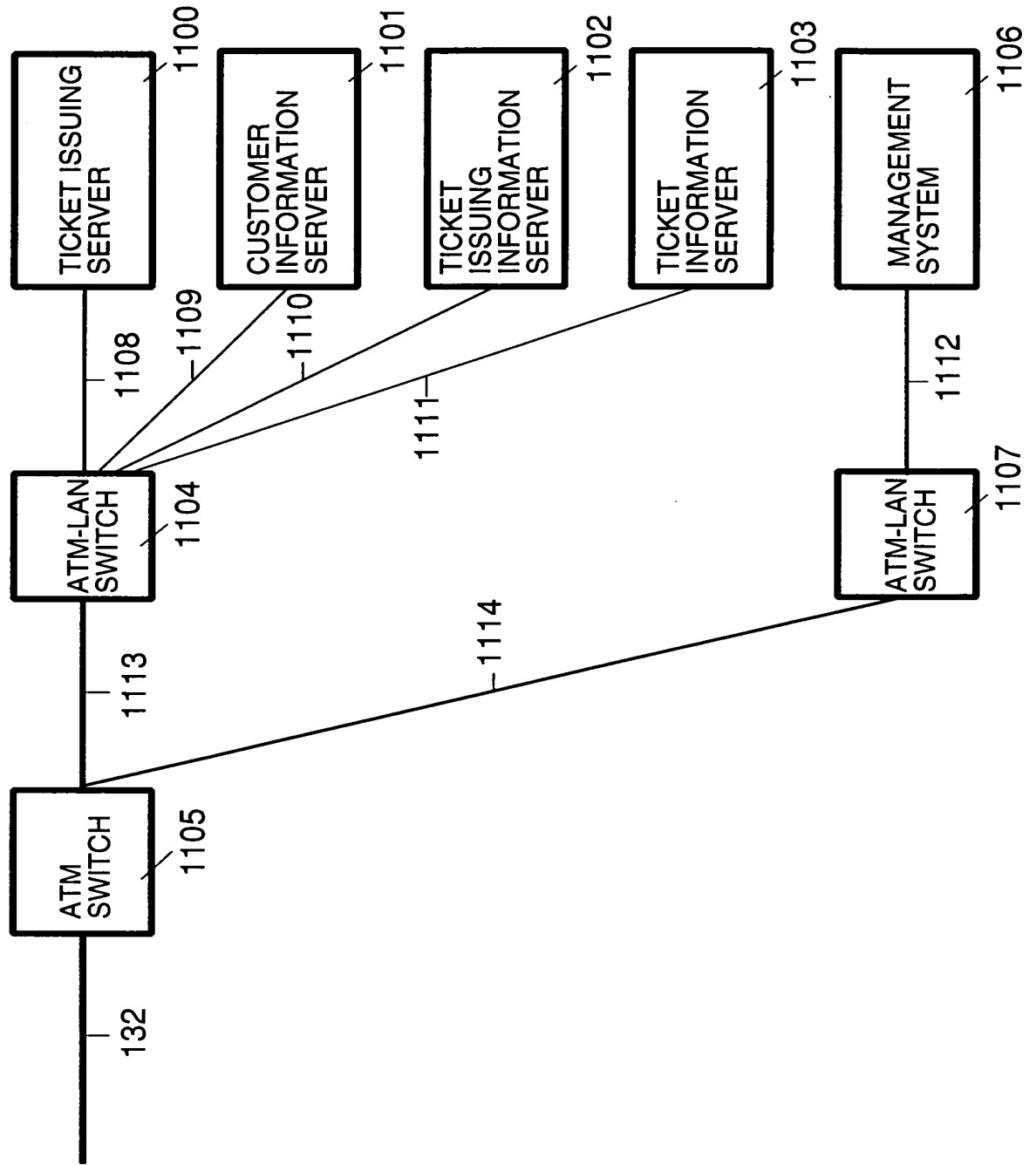


FIG. 11



**FIG. 12**

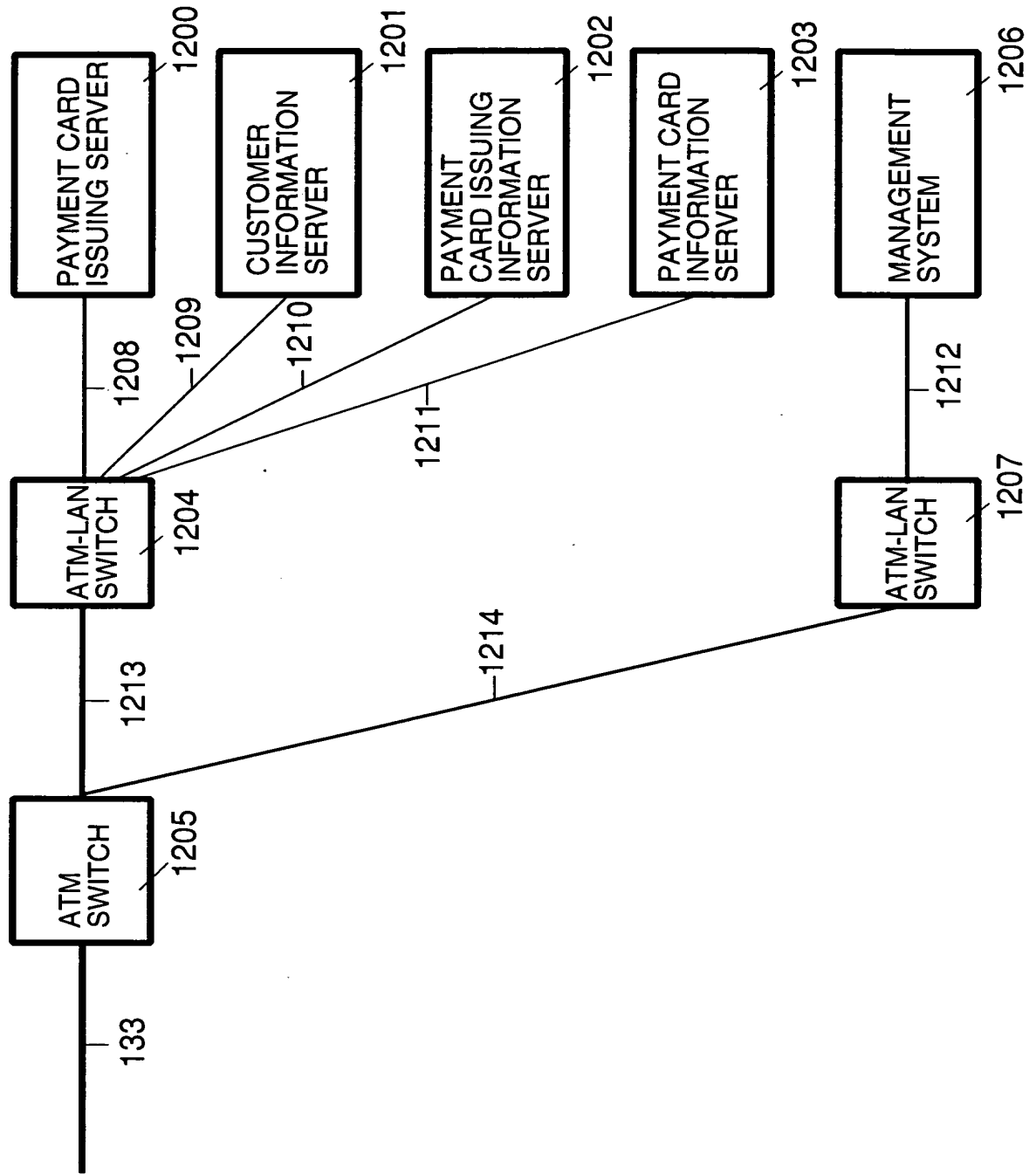


FIG. 13

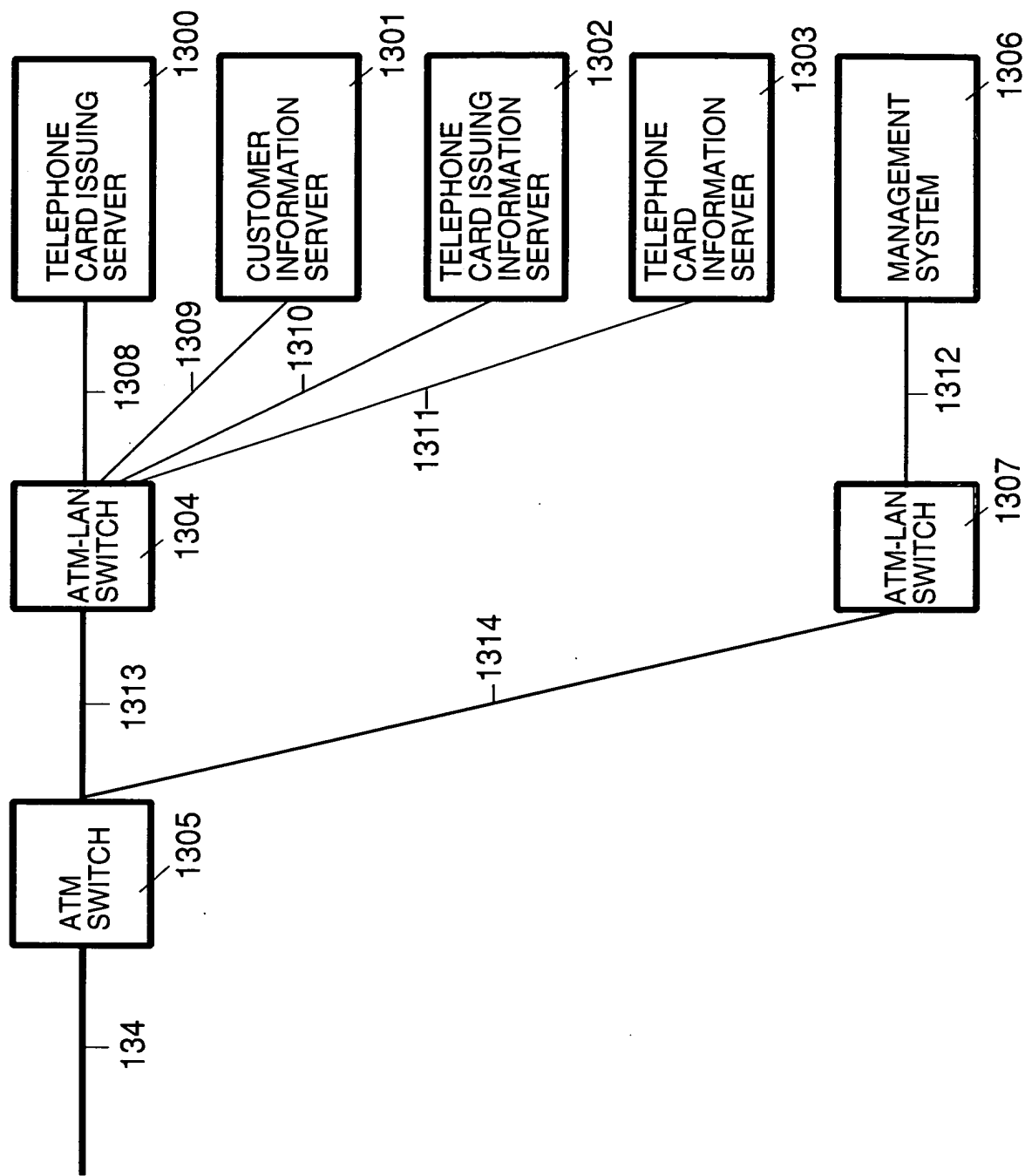




FIG. 14A

FIG. 14B

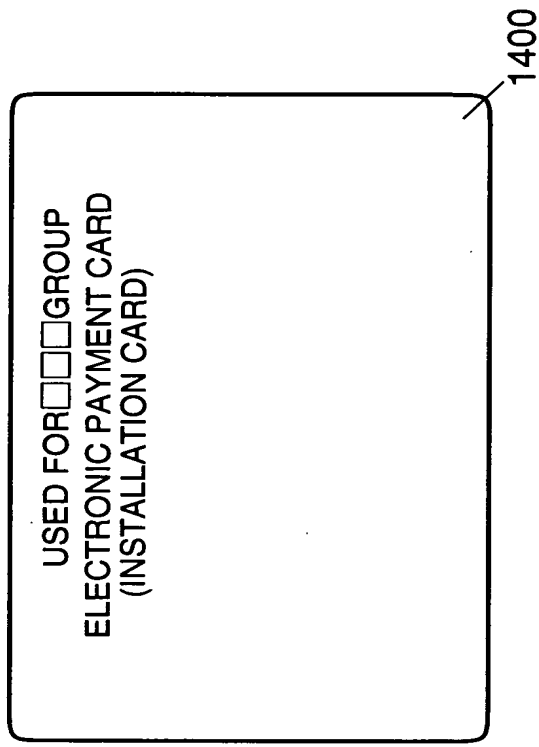
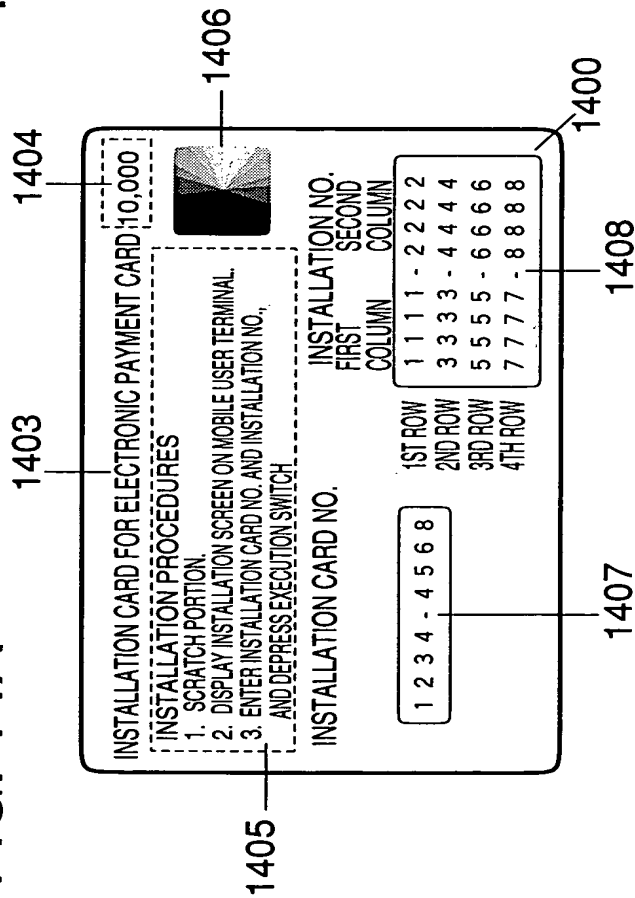


FIG. 14C

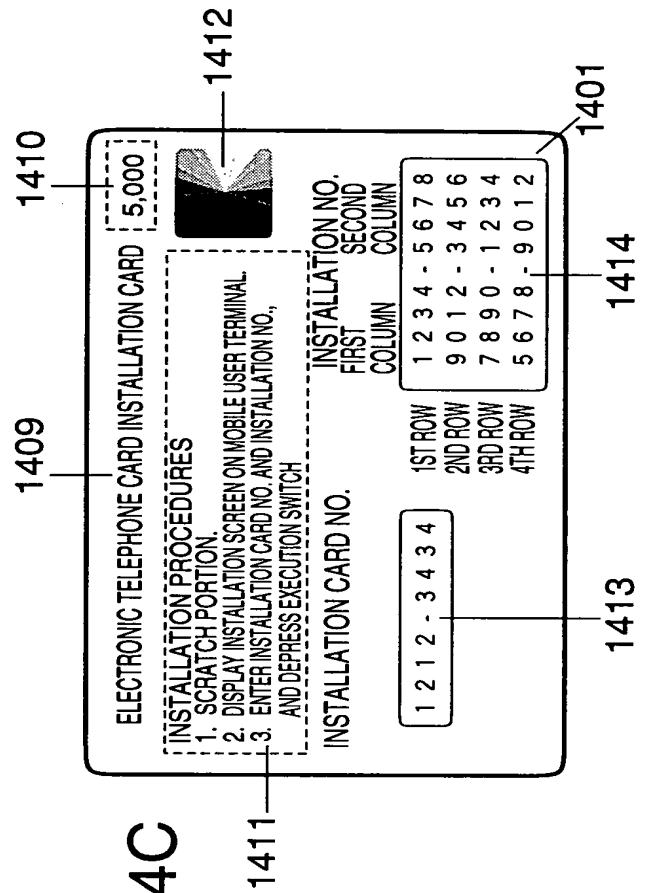


FIG. 14D

○○○ COMPANY

ON ○○△□ CAMPAIGN

CALL FOR: TEL xxxx-xxxxxx

FIG. 14F

○○○□□□ EXHIBITION

PERIOD : 2001/9/7 TO 9/30

TIME : 10:00 TO 17:00

PLACE : ○△□ MUSEUM

SPONSORED BY: △△△ NEWS COMPANY

CALL FOR : TEL xx-xxxx-xxxx

FIG. 14E

1416

2001.09.07

1415

ELECTRONIC TICKET INSTALL CARD

1417

INSTALLATION PROCEDURES

1. SCRATCH PORTION

2. DISPLAY INSTALLATION SCREEN ON MOBILE USER TERMINAL

3. ENTER INSTALLATION CARD NO. AND INSTALLATION NO., AND DEPRESS EXECUTION SWITCH

1418

INSTALLATION CARD NO.

1 2 1 2 - 7 8 7 8

1419

INSTALLATION NO.

FIRST COLUMN

8 8 8 8 - 1 1 1 1

SECOND COLUMN

6 6 6 6 - 3 3 3 3

4 4 4 4 - 5 5 5 5

2 2 2 2 - 7 7 7 7

1420

1ST ROW

2ND ROW

3RD ROW

4TH ROW

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FIG. 15

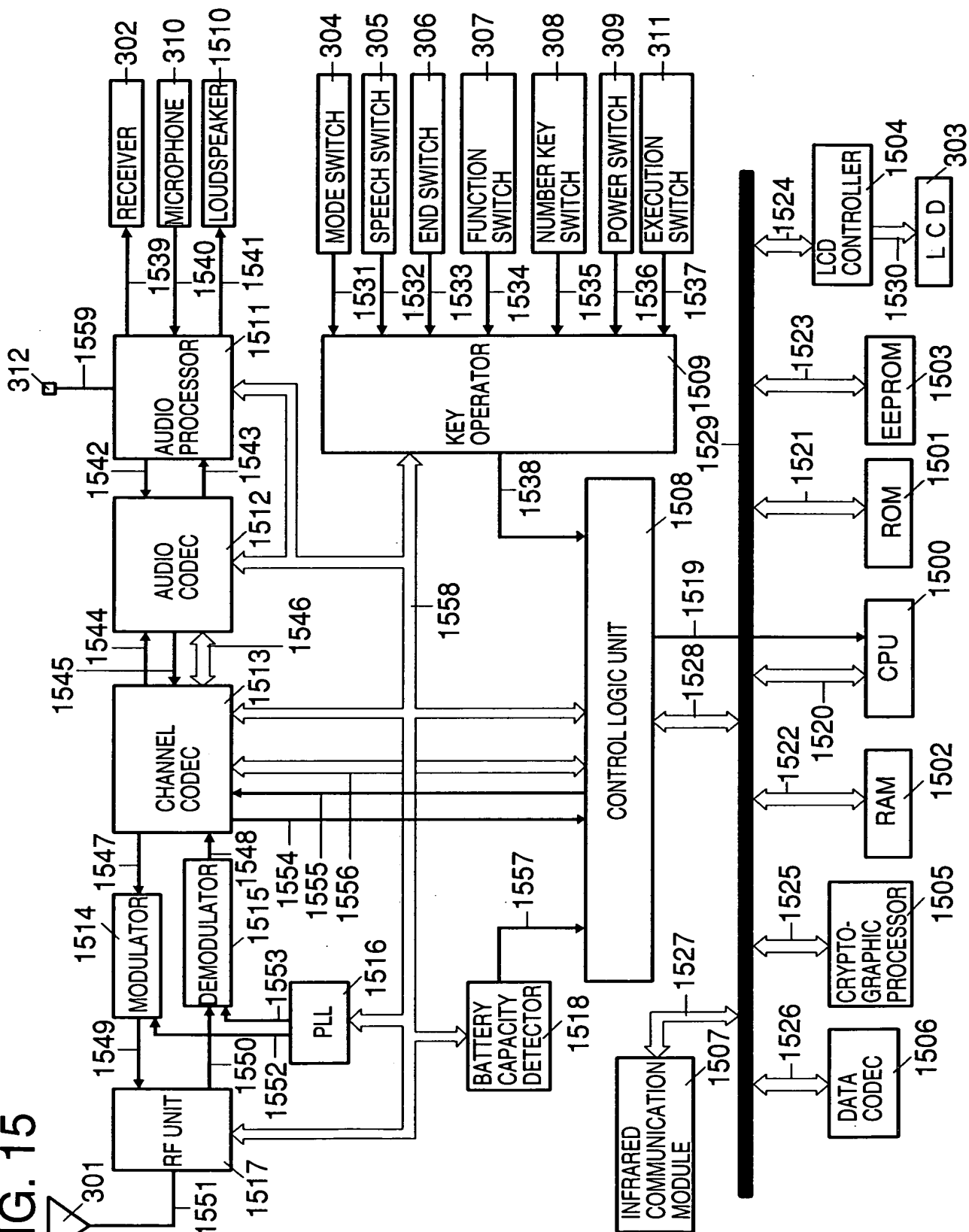
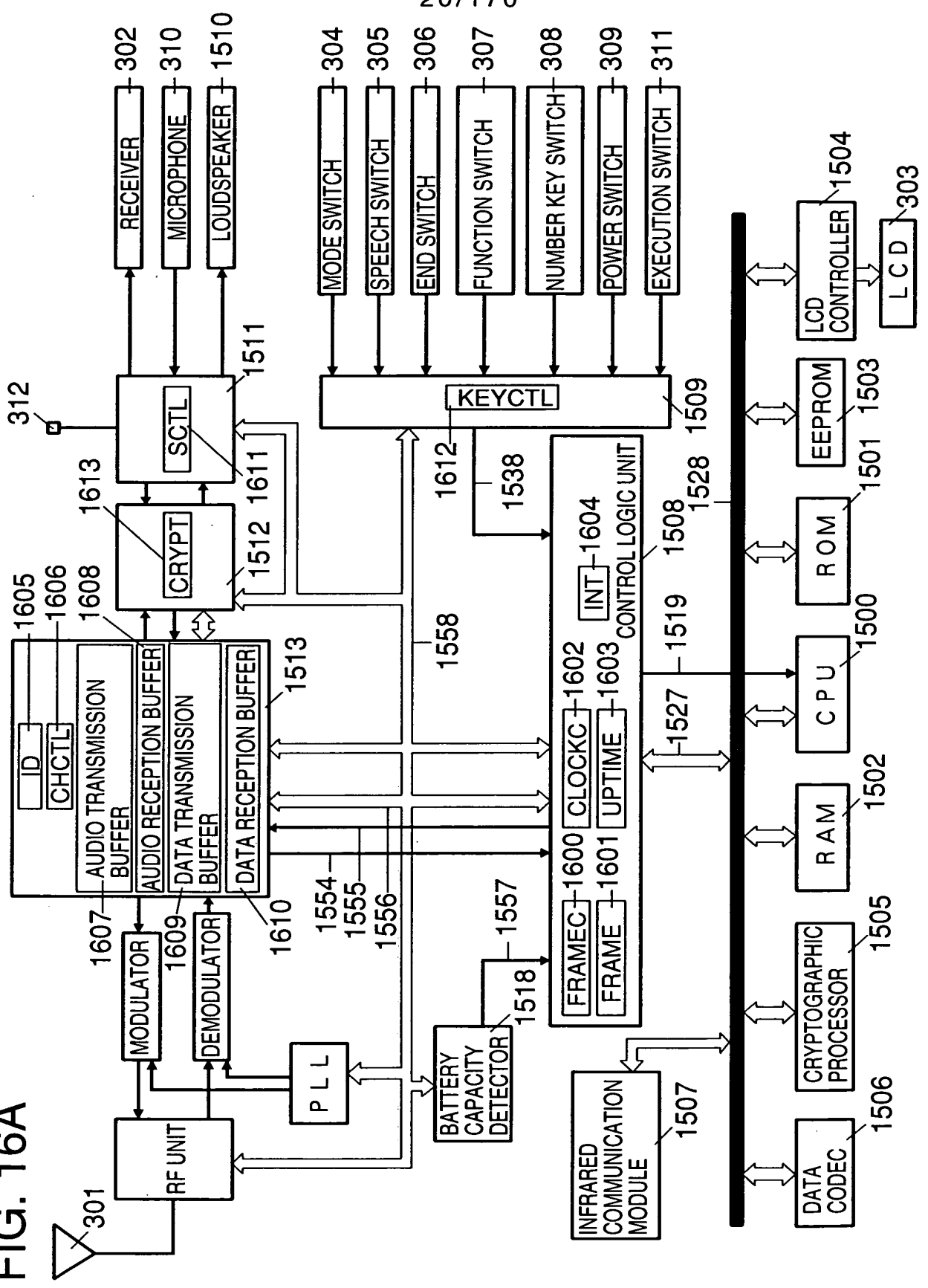


FIG. 16A



**FIG. 16B**

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
POWER DISPLAY	WIRELESS TELEPHONE DISPLAY	FRAME INTERRUPT	CALL RECEPTION INTERRUPT	DATA RECEPTION INTERRUPT	UPDATE INTERRUPT	BATTERY INTERRUPT	KEY INTERRUPT				"END"	"SPEECH"	"MODE"	"EXECUTE"	"POWER"

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
"F 4"	"F 3"	"F 2"	"F 1"	"#"	"*"	"9"	"8"	"7"	"6"	"5"	"4"	"3"	"2"	"1"	"0"

FIG. 17

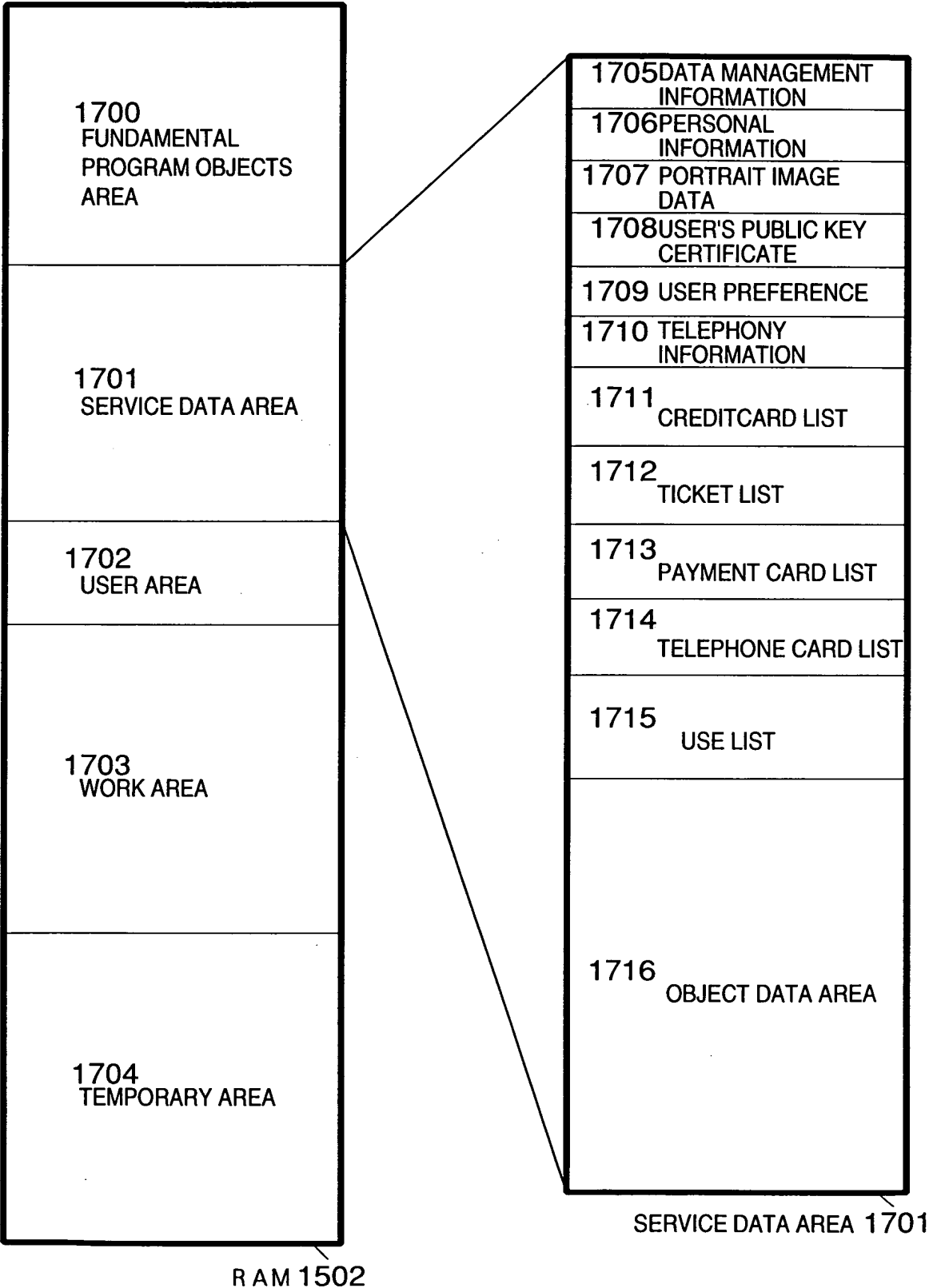


FIG. 18

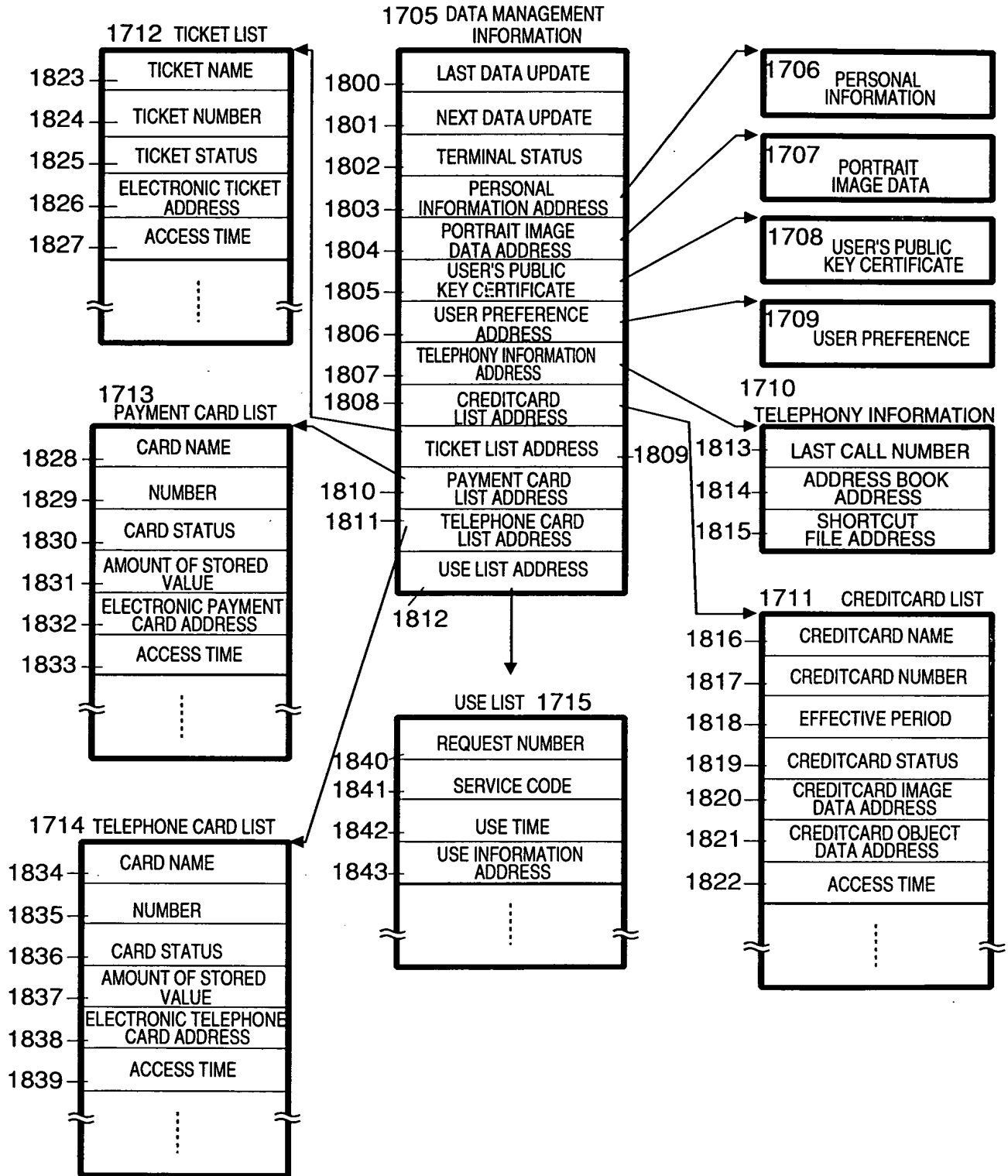


FIG. 19

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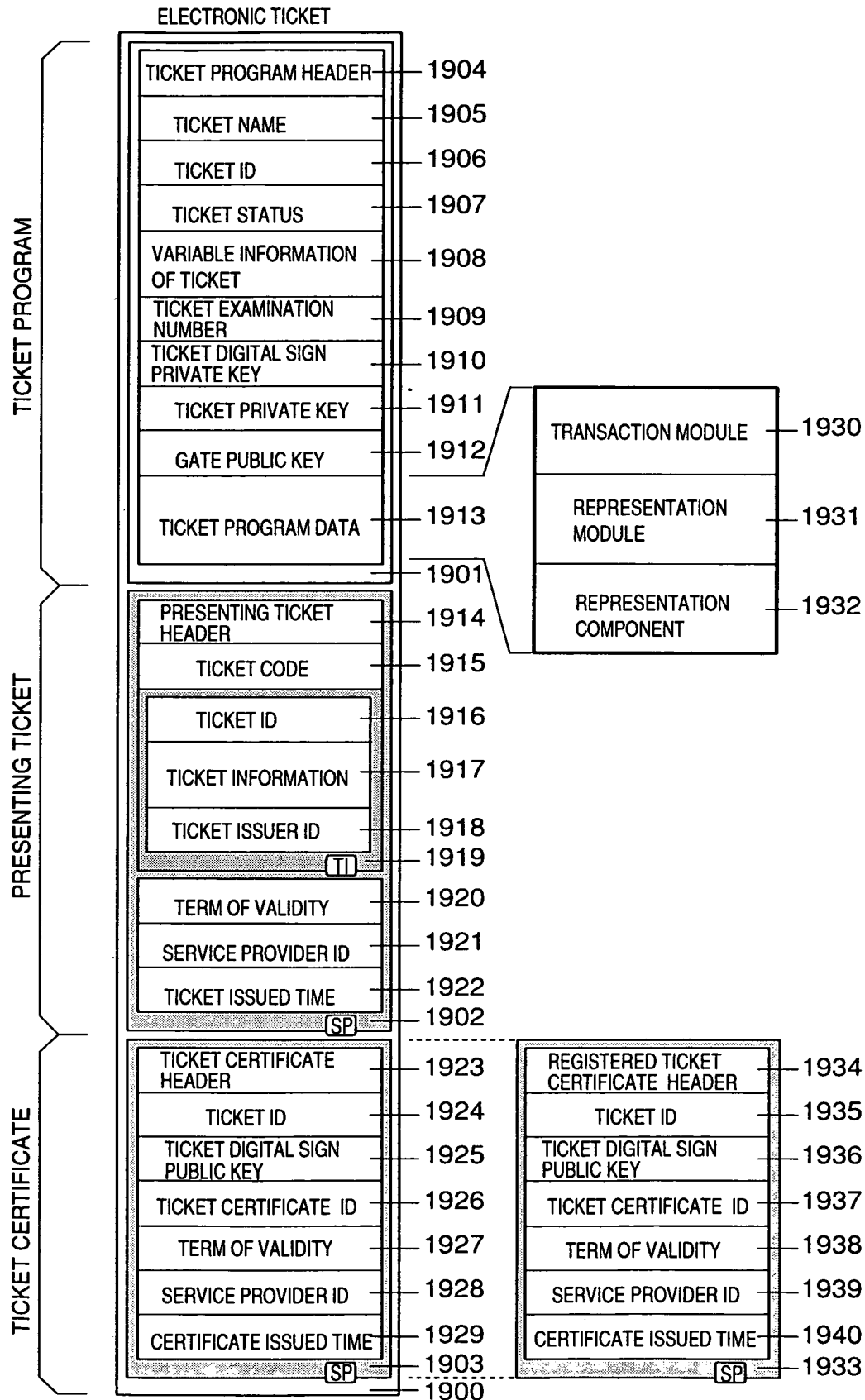




FIG. 20

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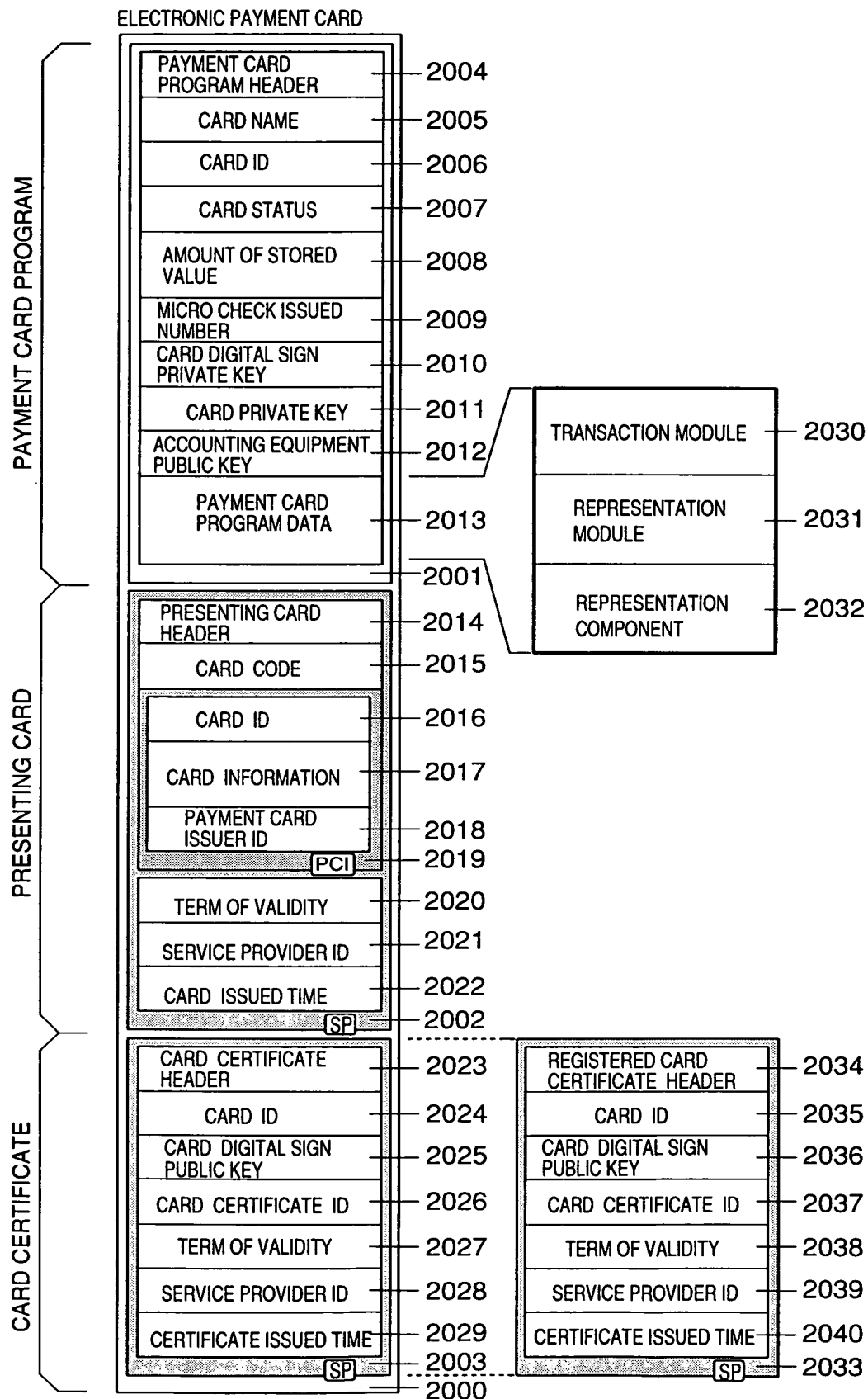
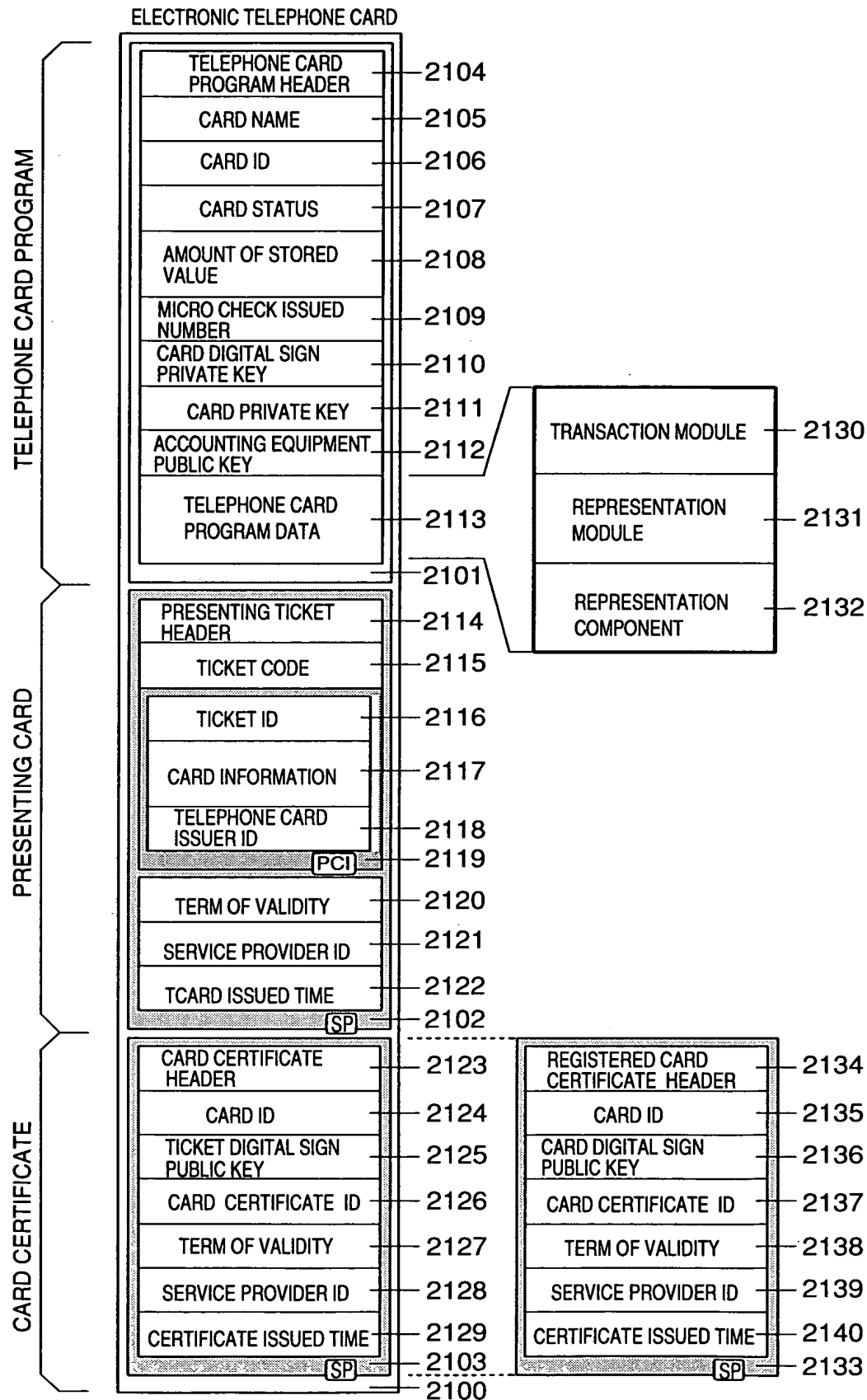


FIG. 21

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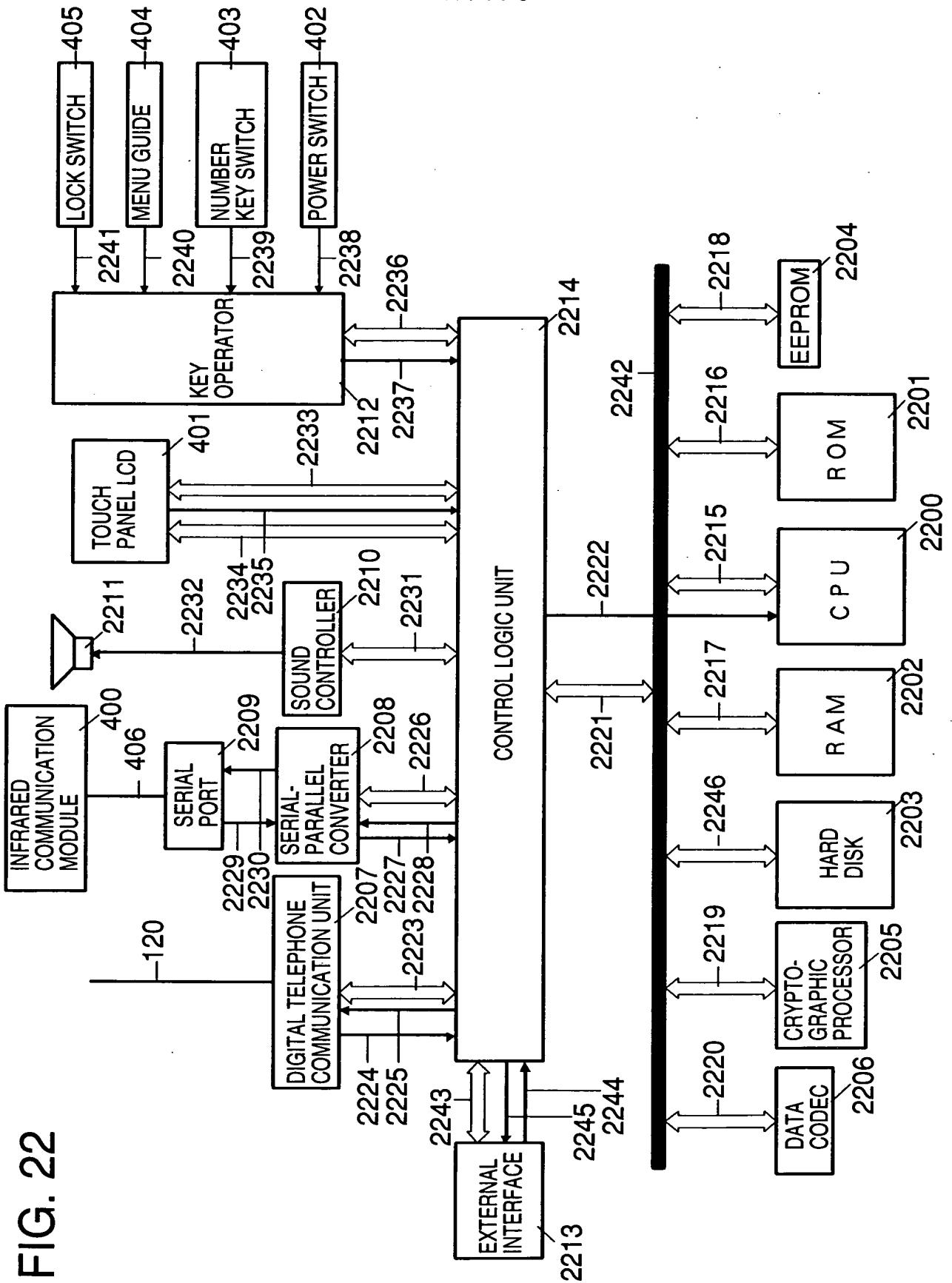
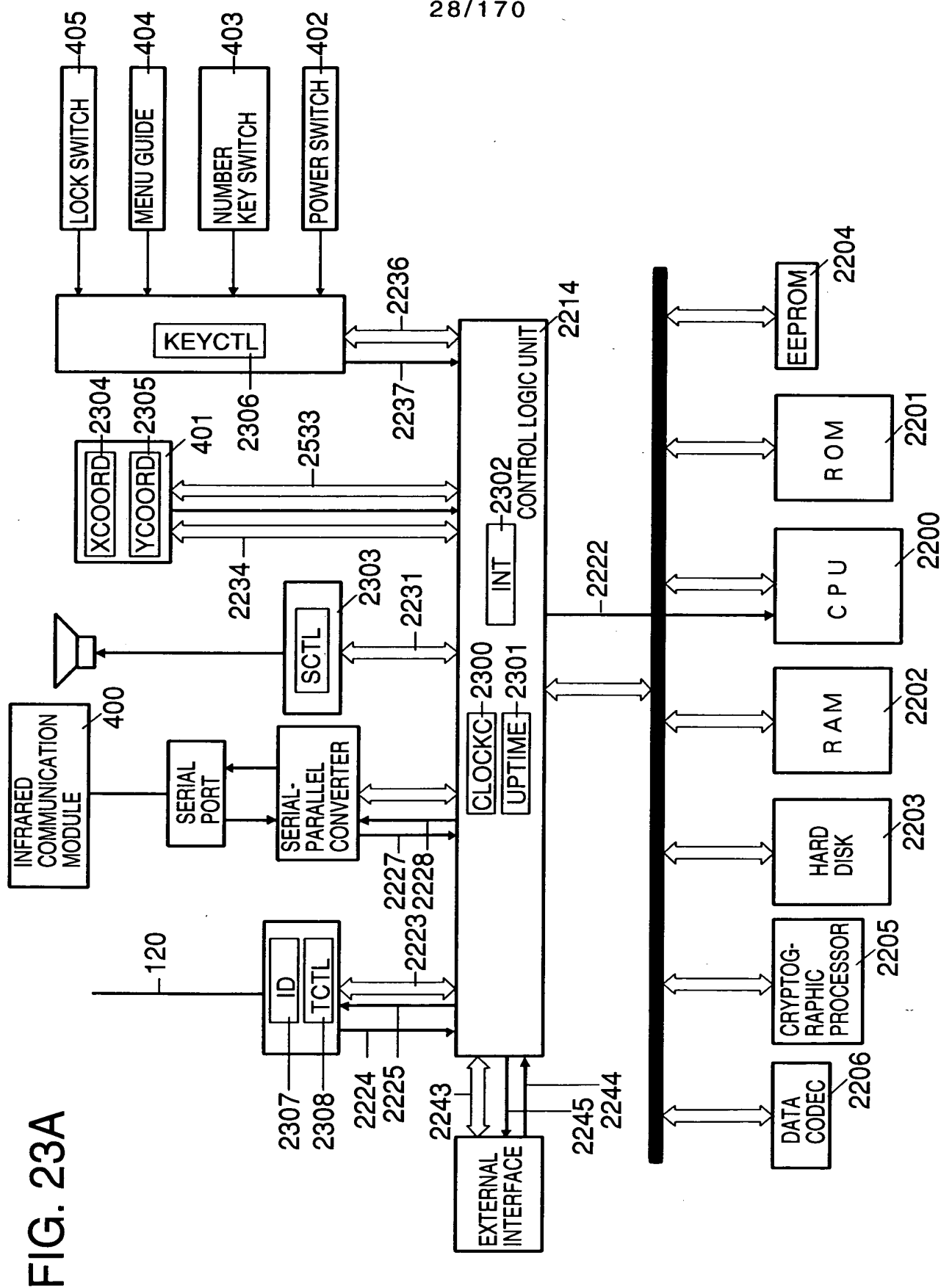


FIG. 22

FIG. 22

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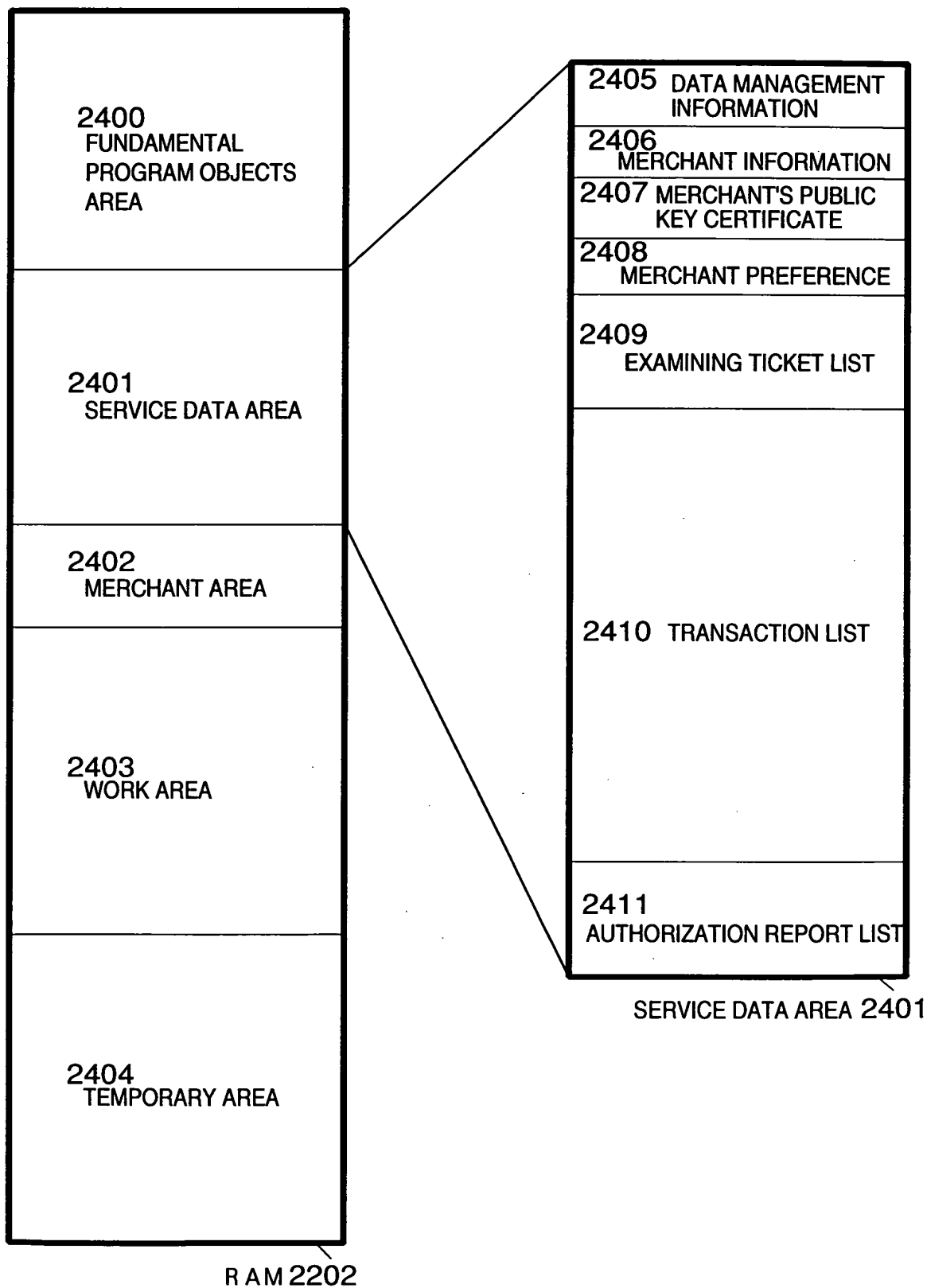


31	POWER DISPLAY	30	PHONE SPEECH DISPLAY	29	TOUCH PANEL INTERUPT	28	INFRARED RECEPTION INTERUPT	27	DATA RECEPTION INTERUPT	26	UPDATE INTERUPT	25	EXTERNAL IF INTERUPT	24	KEY INTERUPT	23		22		21		20		19		18	"MENU"	17	"LOCK"	16	"POWER"
15	"F 4 "	14	"F 3 "	13	"F 2 "	12	"F 1 "	11	"#"	10	"*"	9	"9"	8	"8"	7	"7"	6	"6"	5	"5"	4	"4"	3	"3"	2	"2"	1	"1"	0	"0"

# TNI

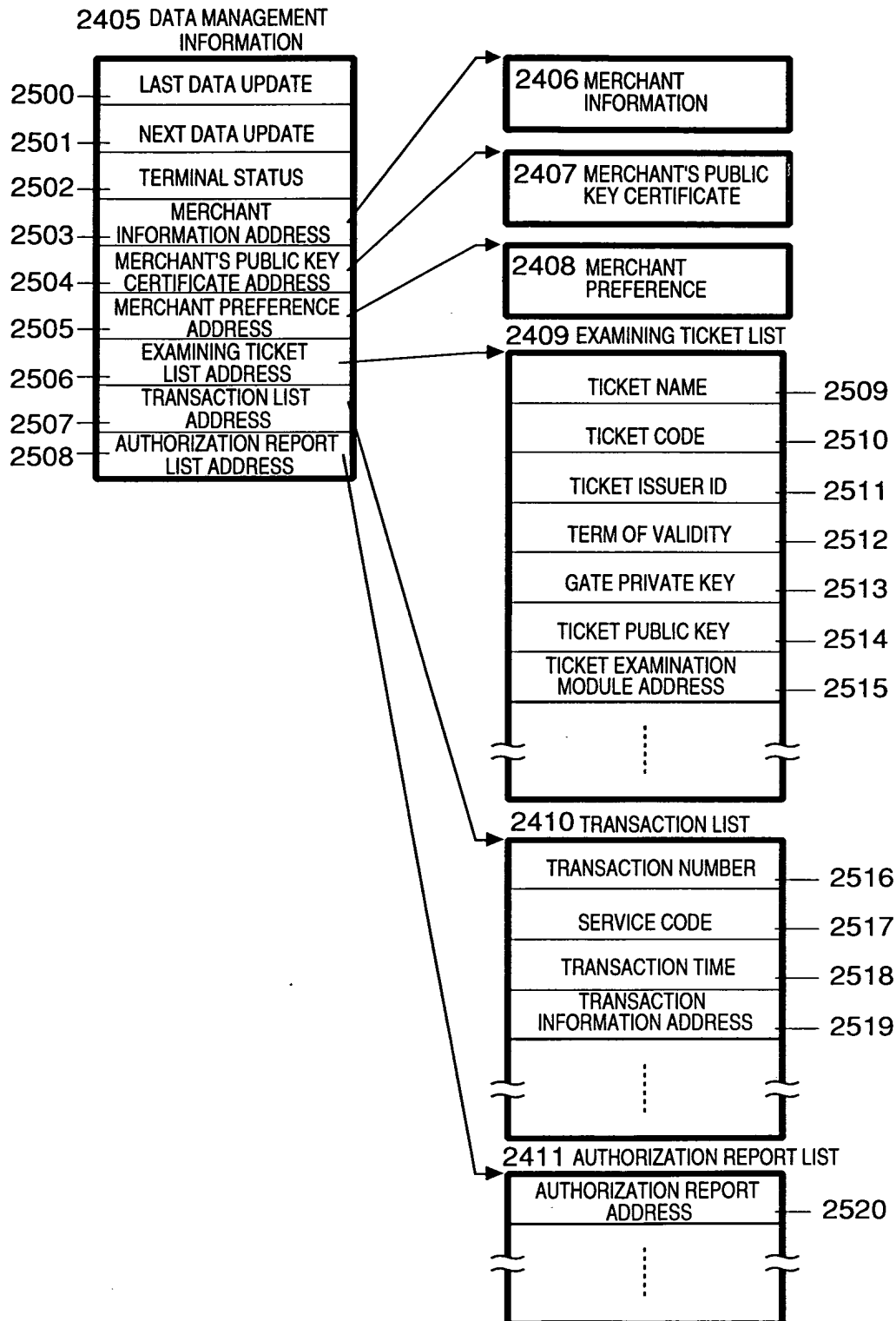
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FIG. 24



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FIG. 25



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FIG. 26

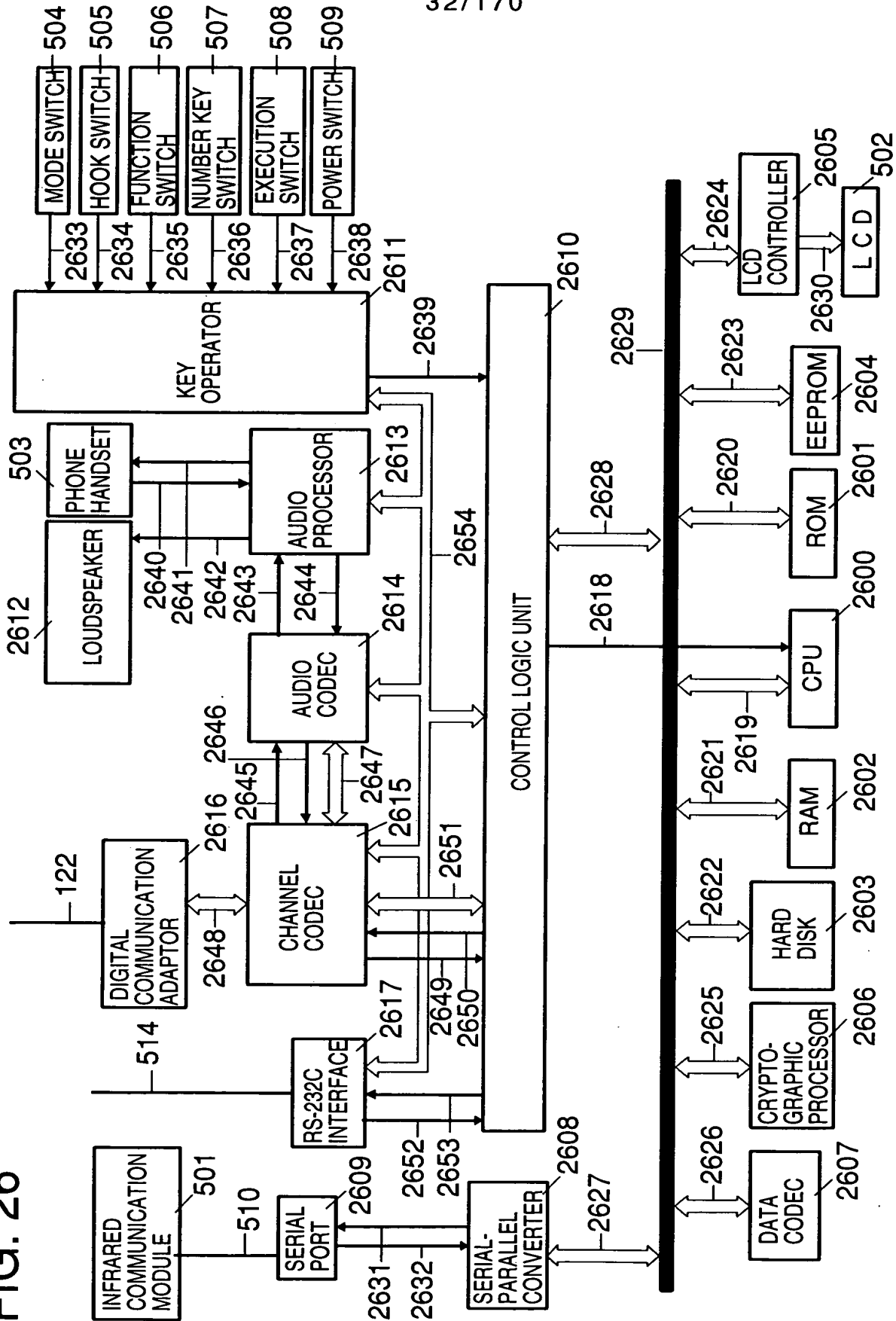
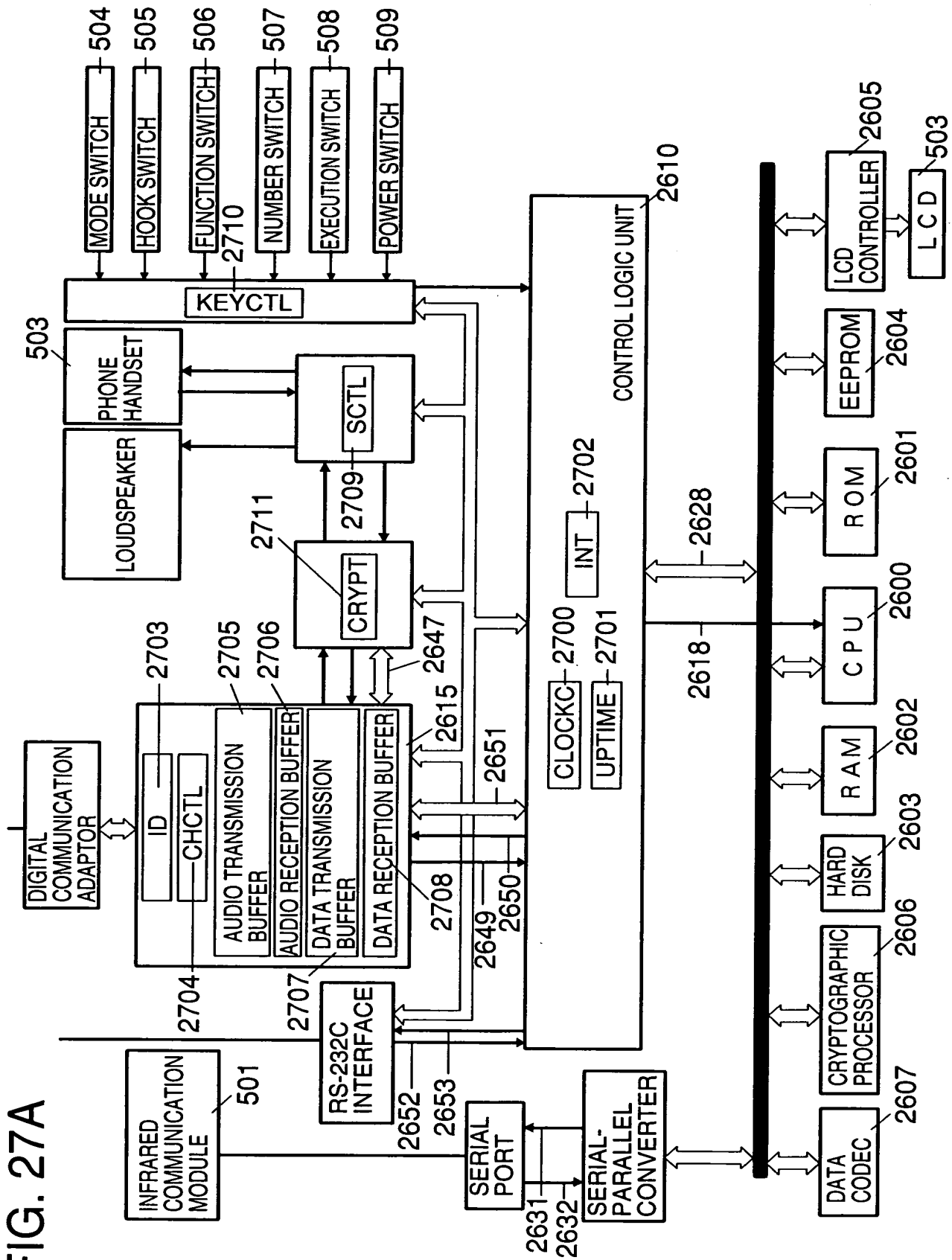


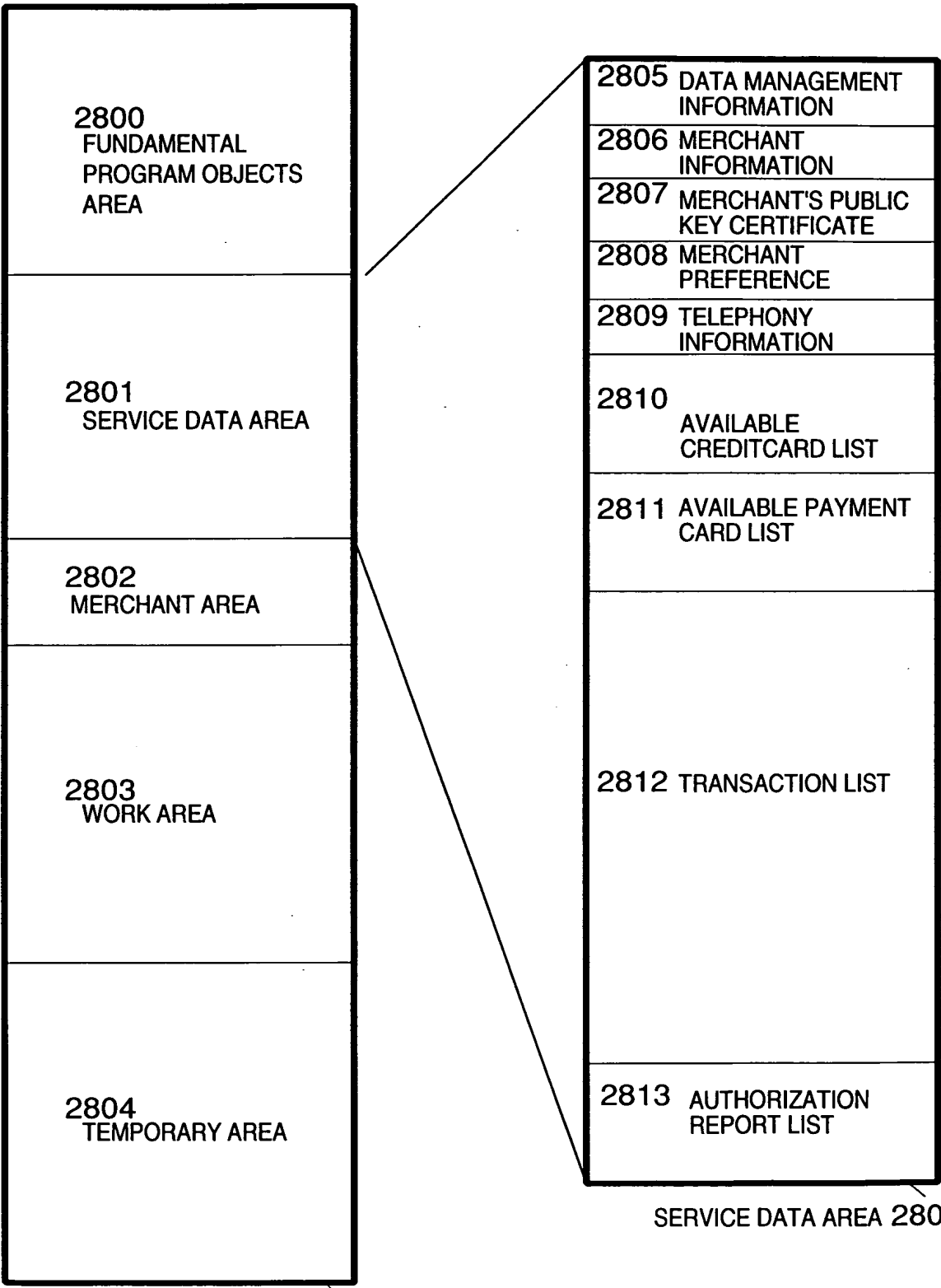


FIG. 27A



[illegible][illegible]

FIG. 28



RAM 2602

SERVICE DATA AREA 2801

FIG. 29

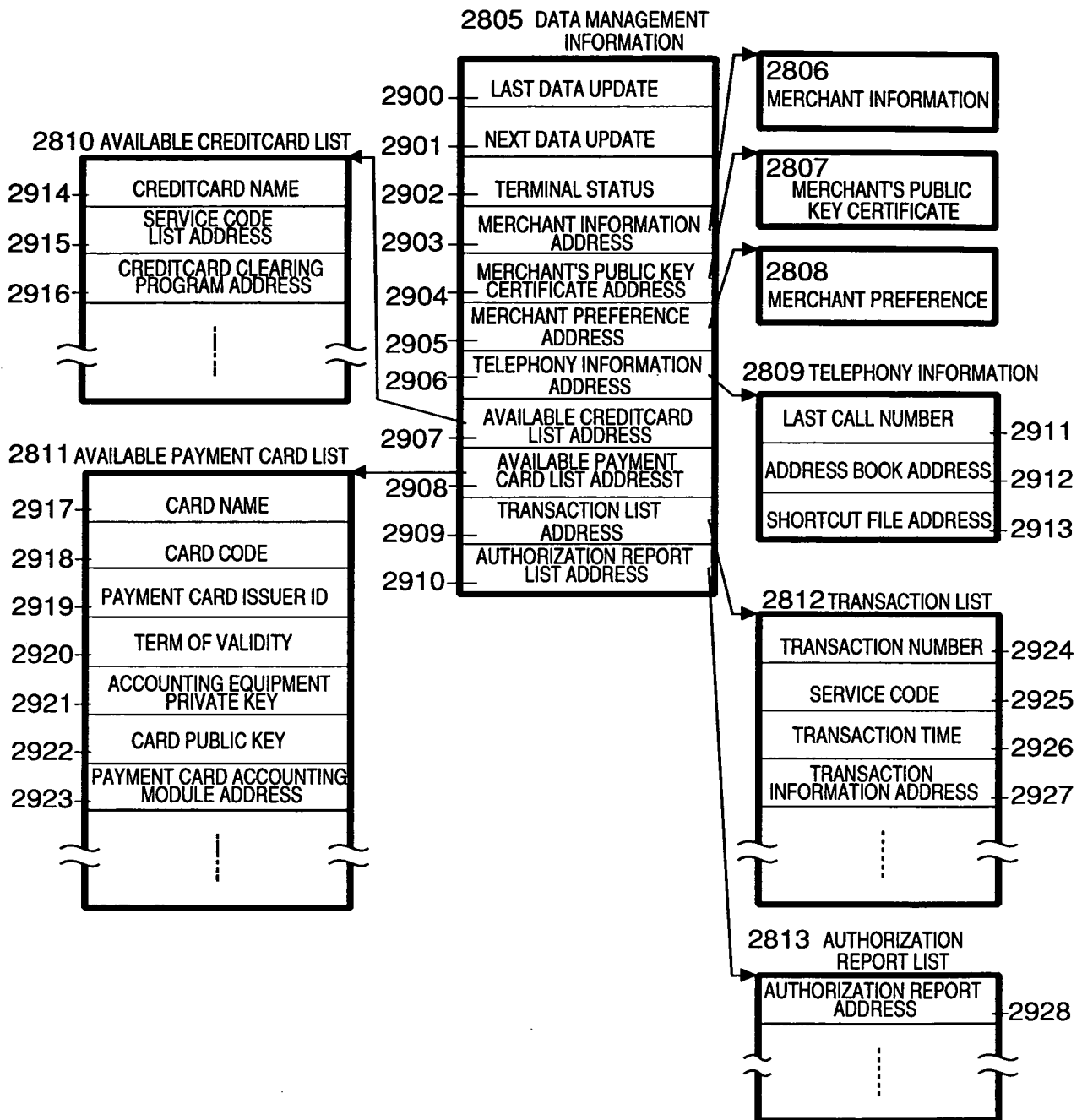
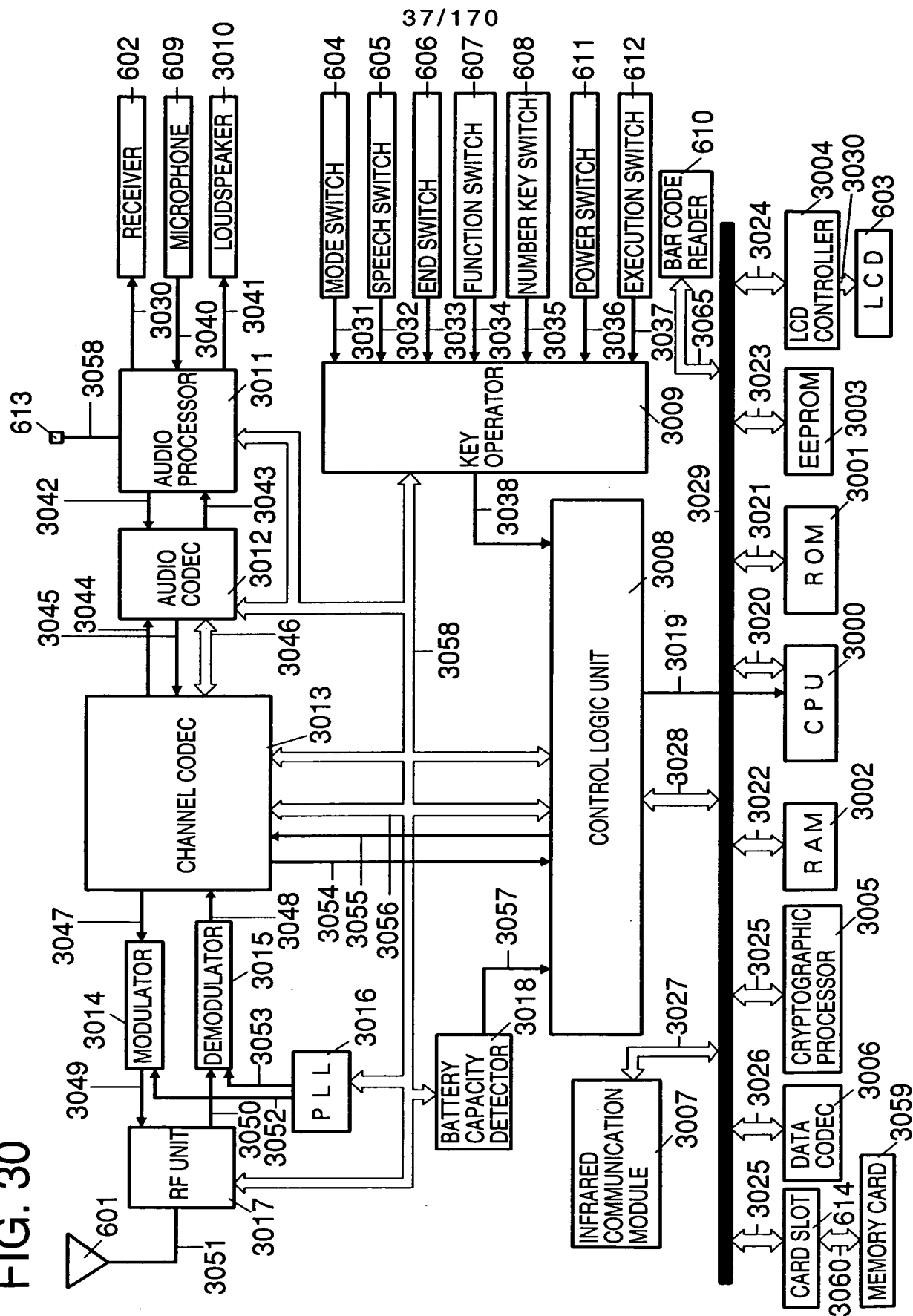
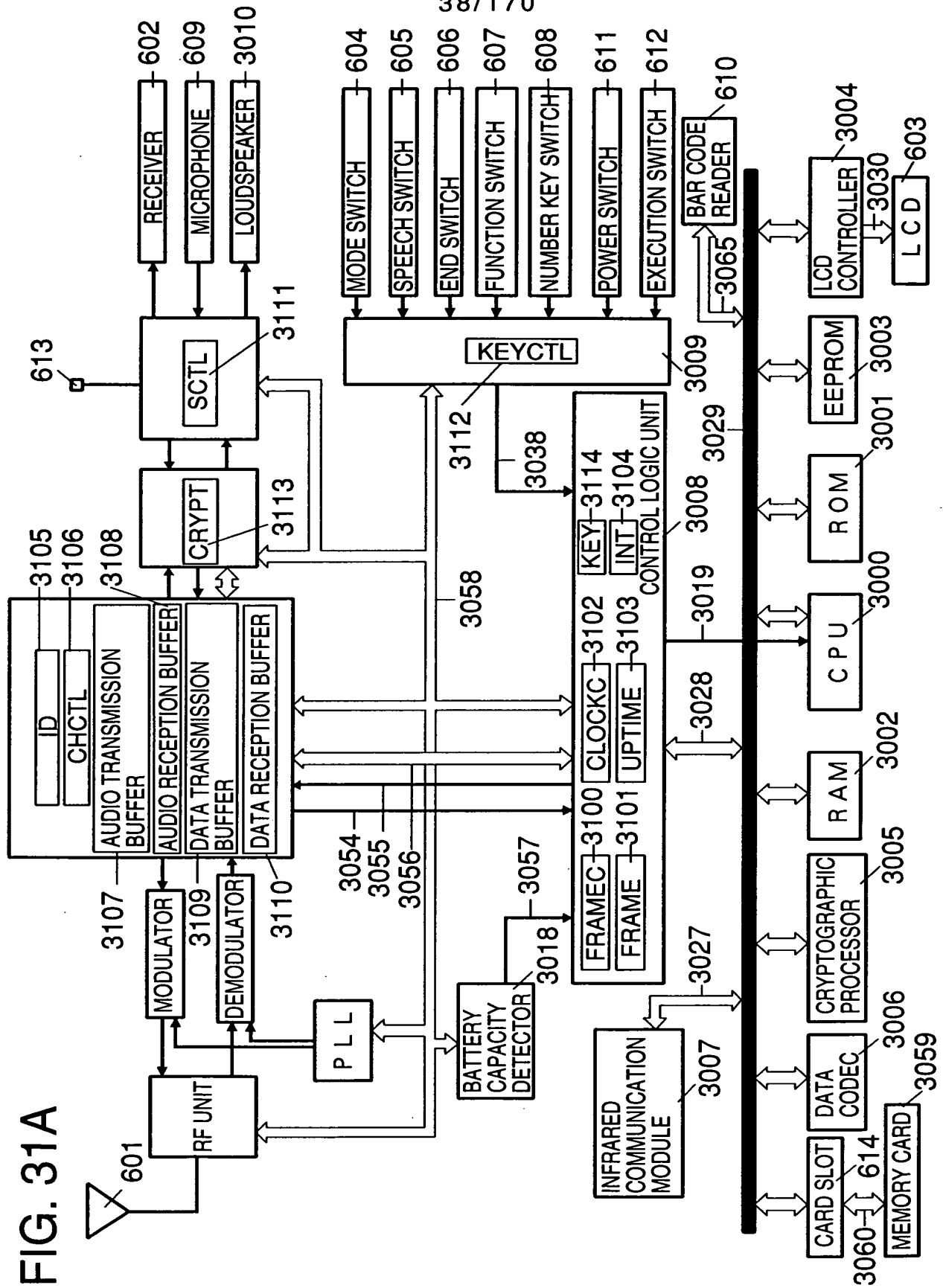


FIG. 30



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FIG. 31A



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FIG. 31B

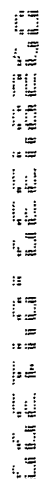
	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
INT	POWER DISPLAY	WIRELESS TELEPHONE DISPLAY	FRAME INTERRUPT	CALL RECEPTION INTERRUPT	DATA RECEPTION INTERRUPT	UPDATE INTERRUPT	BATTERY INTERRUPT	KEY INTERRUPT								

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FIG. 31C

	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
KEY	"="	"+"	"-"	"X"	"÷"	"."	"SUM"					"END"	"SPEECH"	"MODE"	"EXECUTE"	"POWER"
	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
KEY	"F 4"	"F 3"	"F 2"	"F 1"	"#"	"*"	"9"	"8"	"7"	"6"	"5"	"4"	"3"	"2"	"1"	"0"

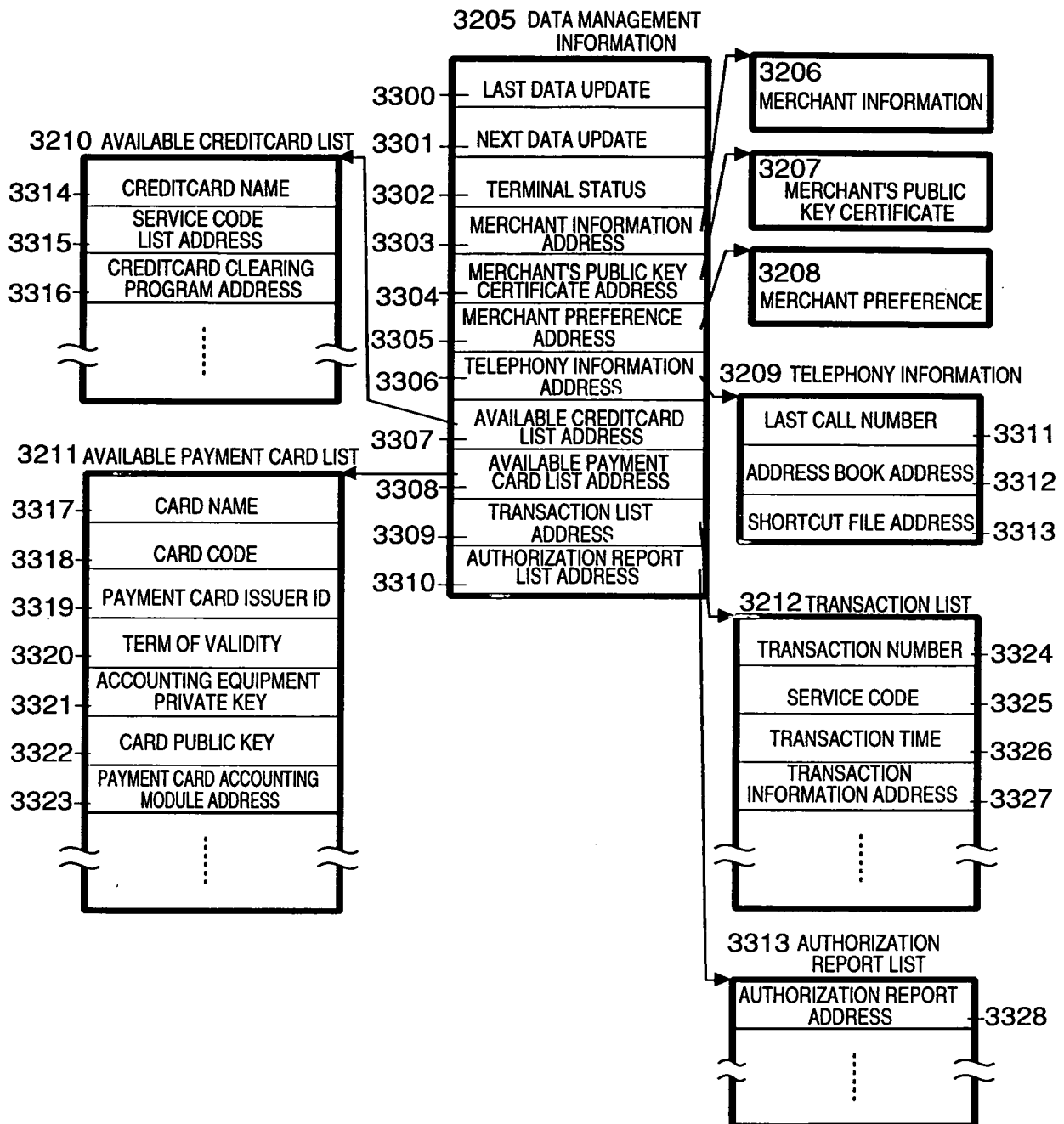
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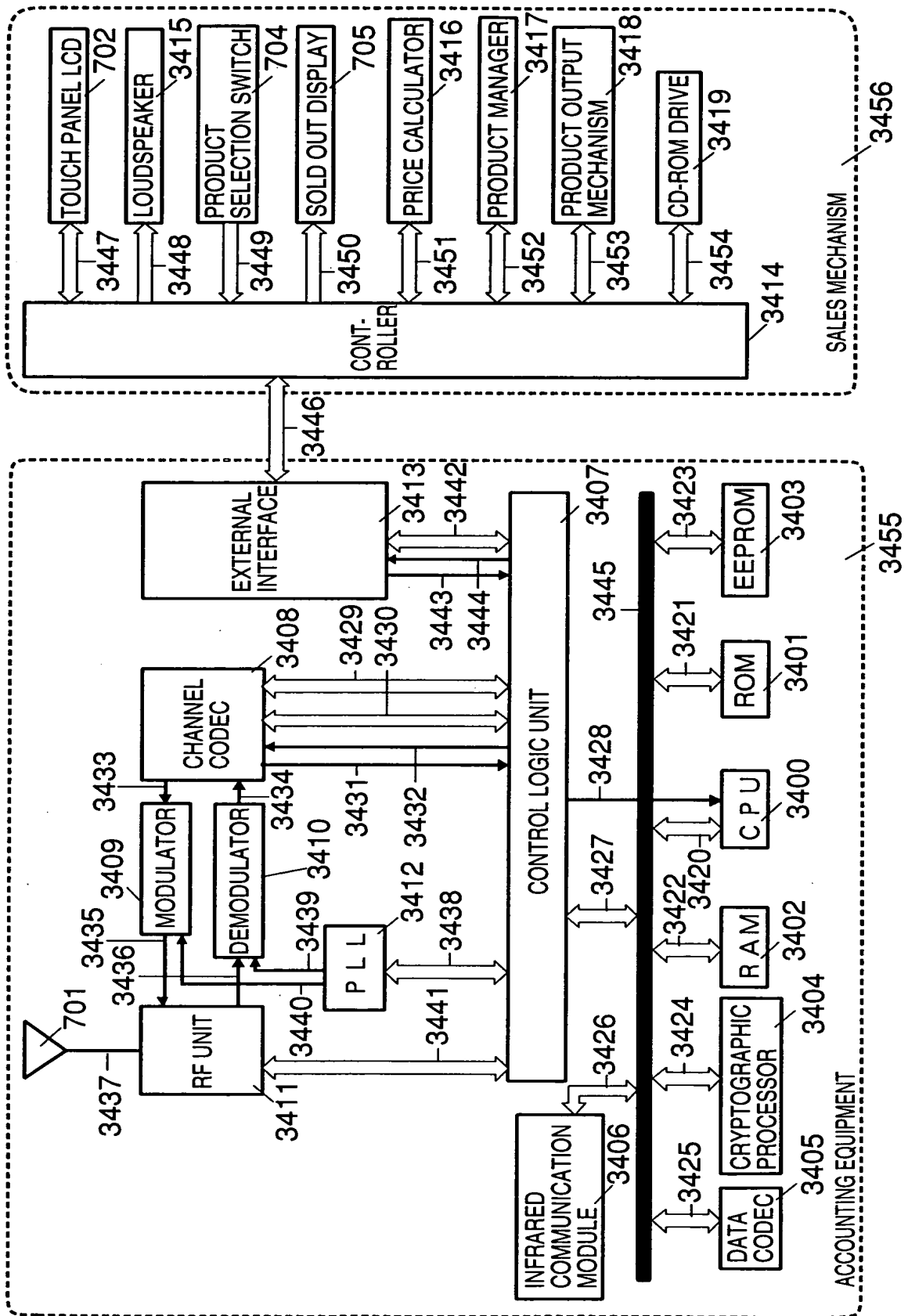
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FIG. 33



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FIG. 34



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FIG. 35A

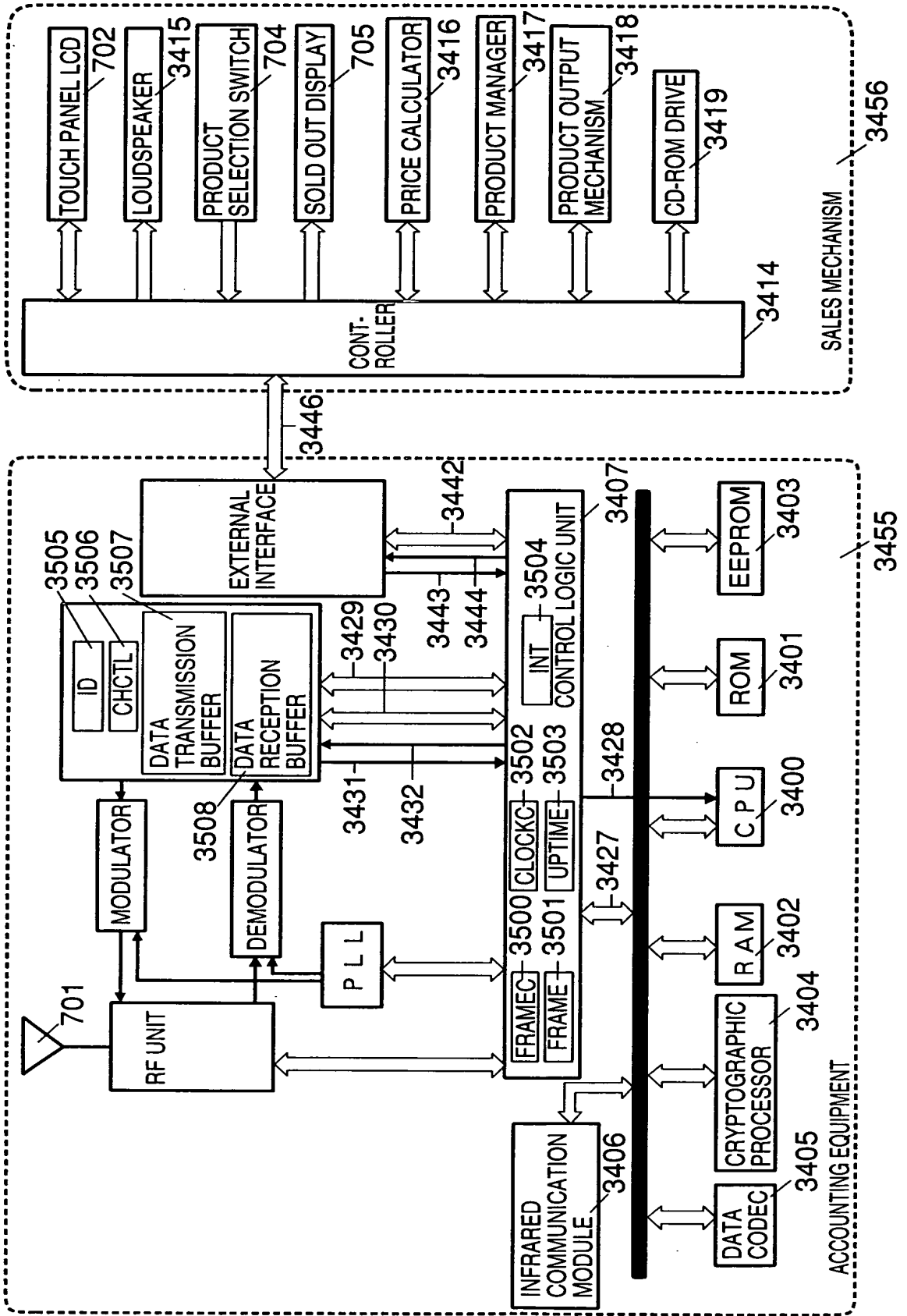




FIG. 36

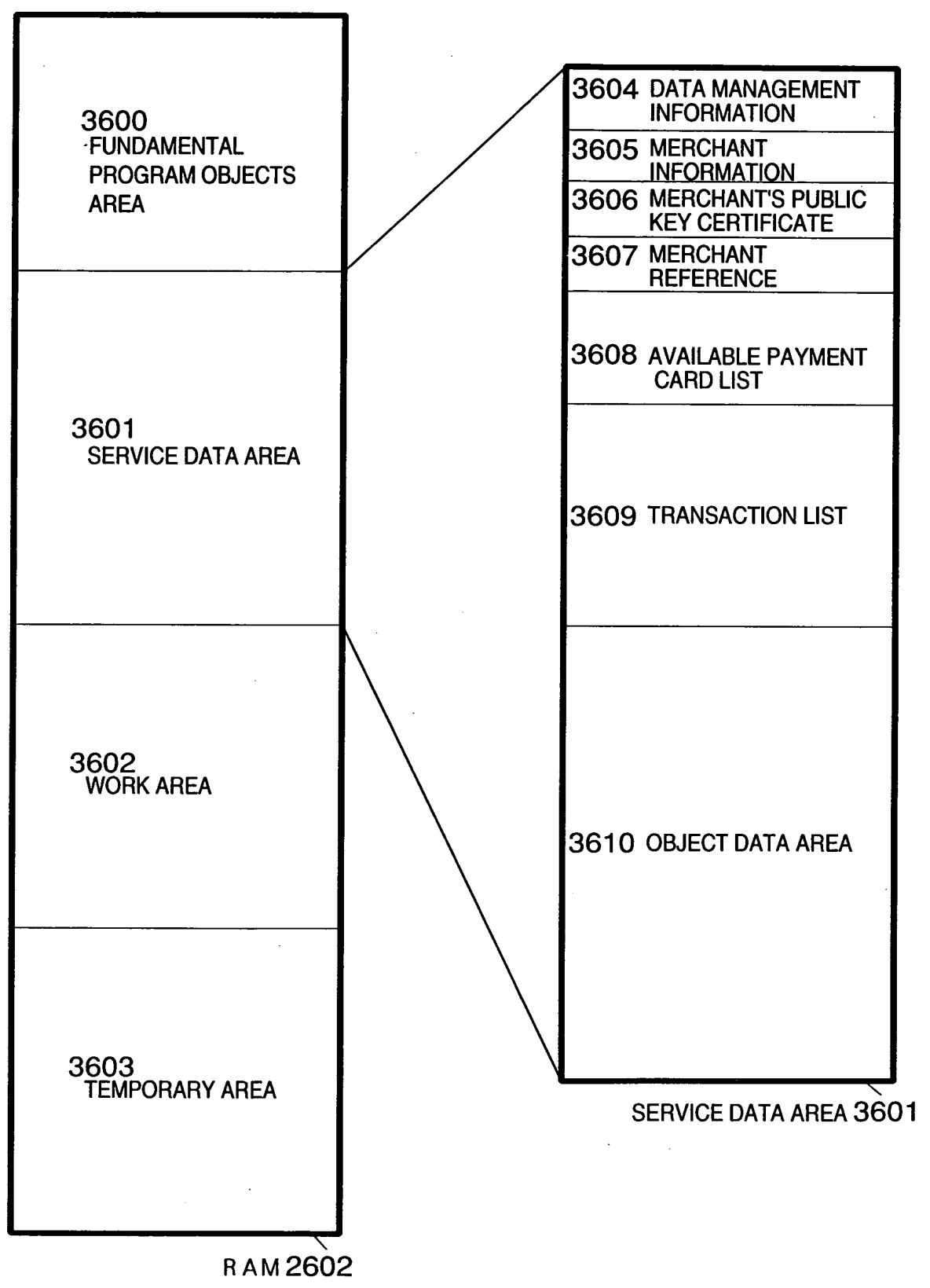
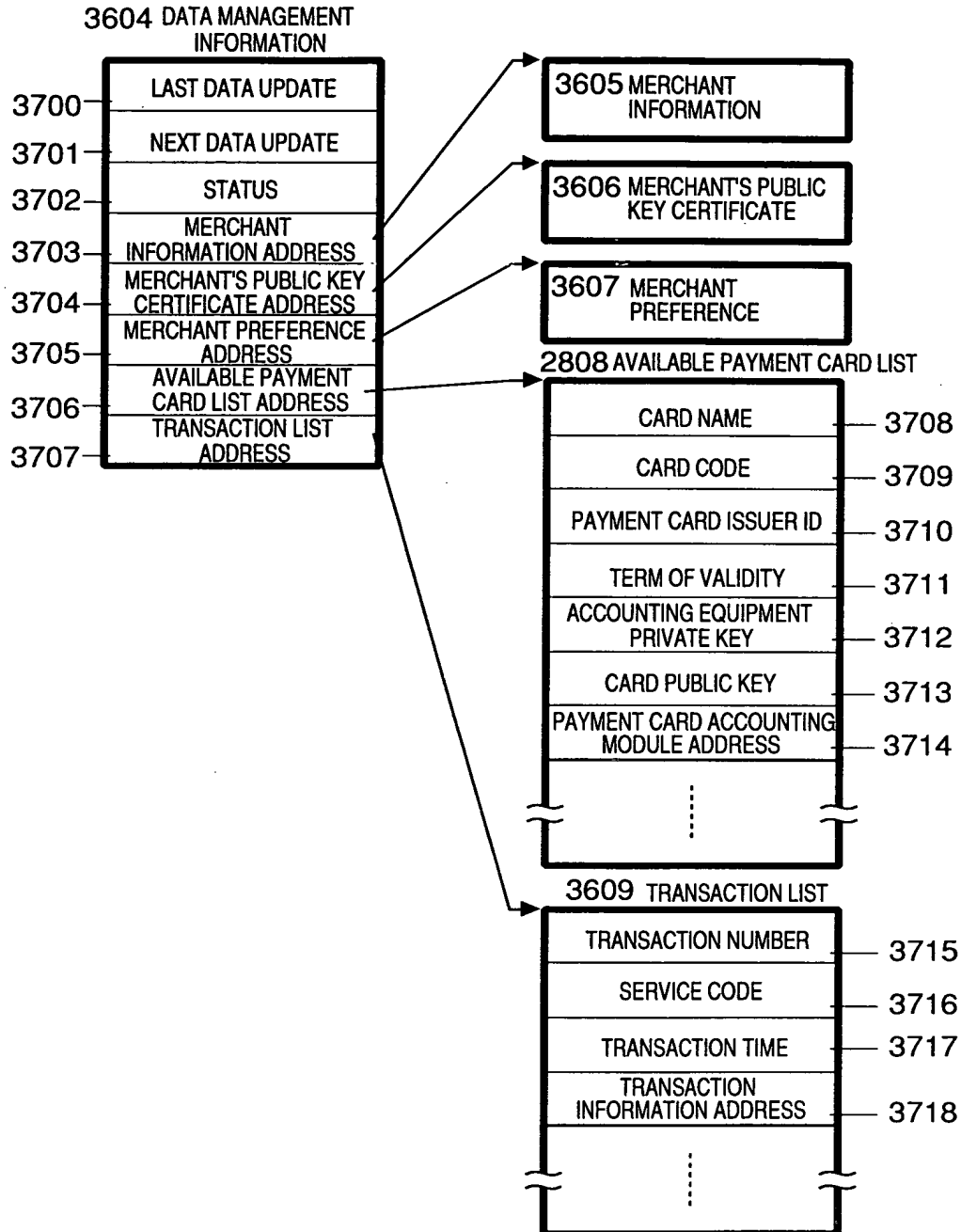


FIG. 36

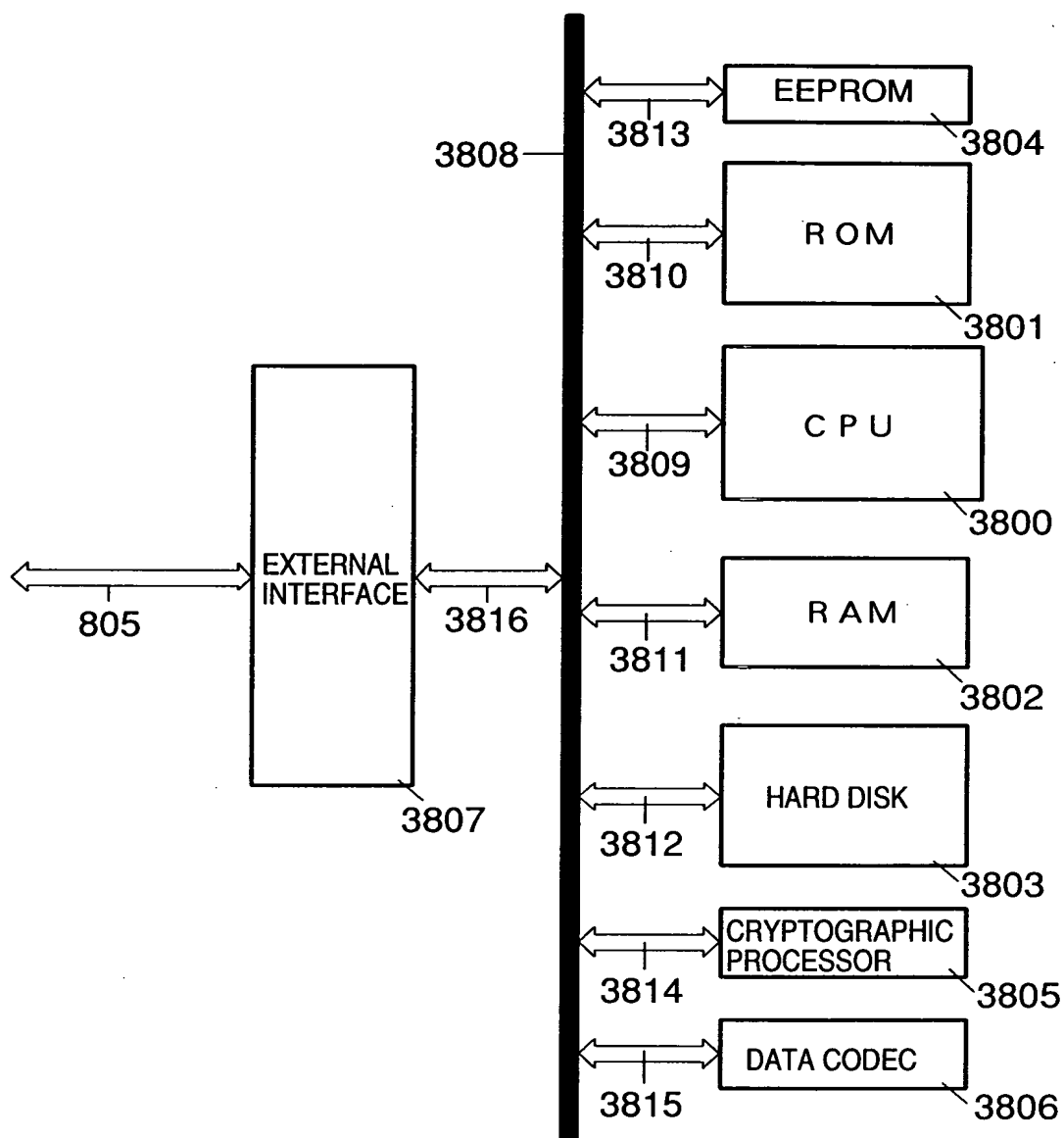
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FIG. 37



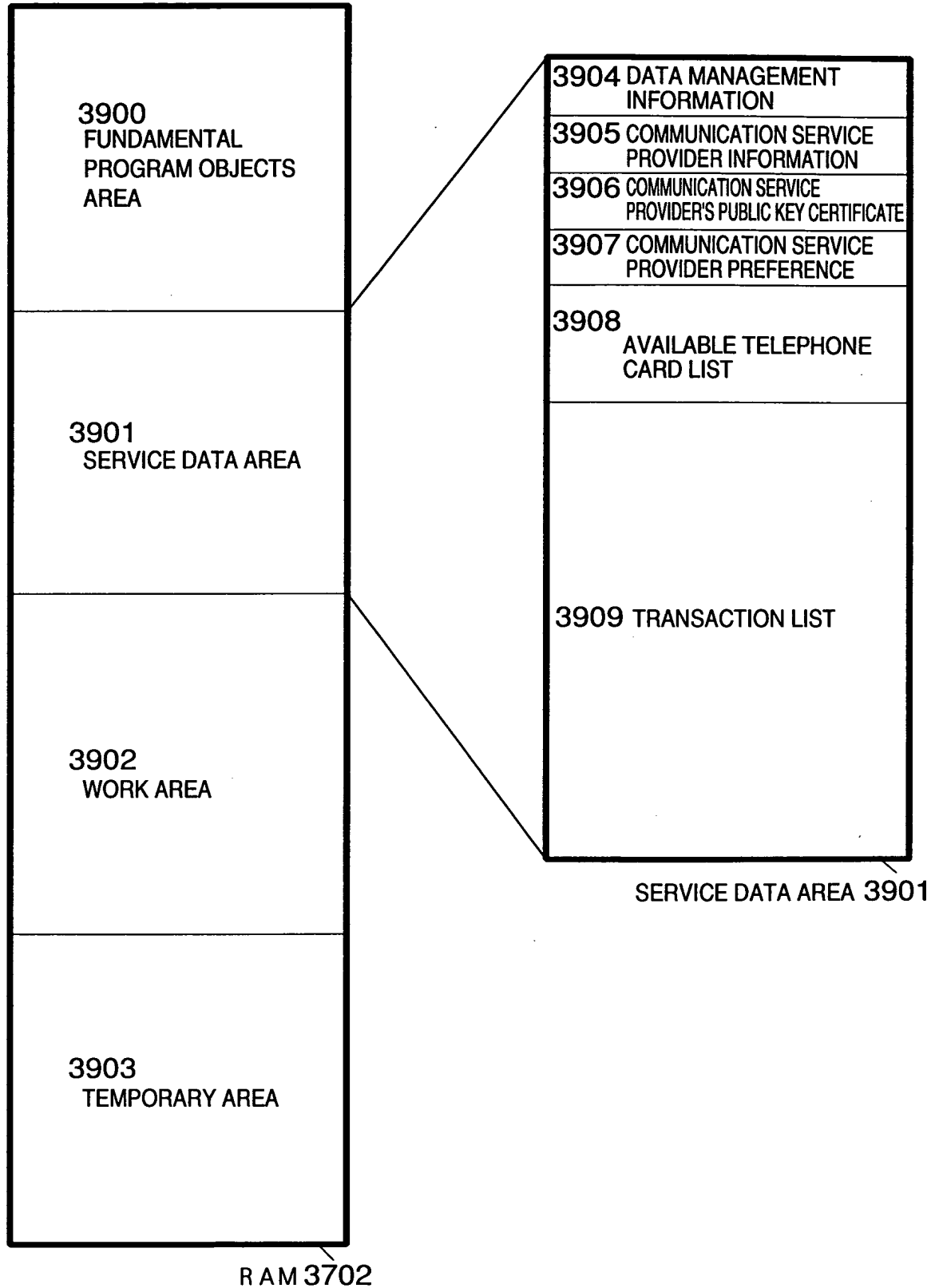
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FIG. 38



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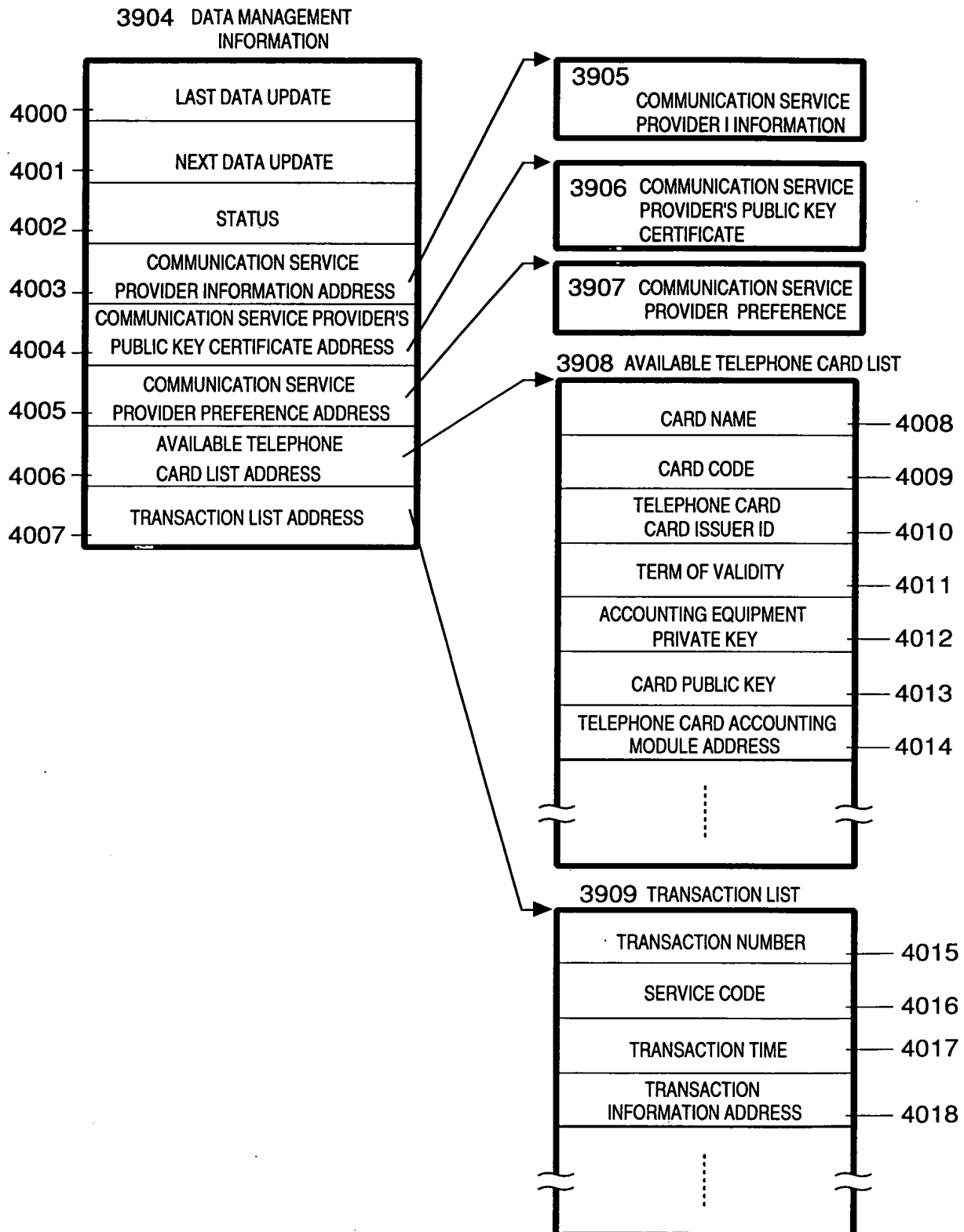
FIG. 39





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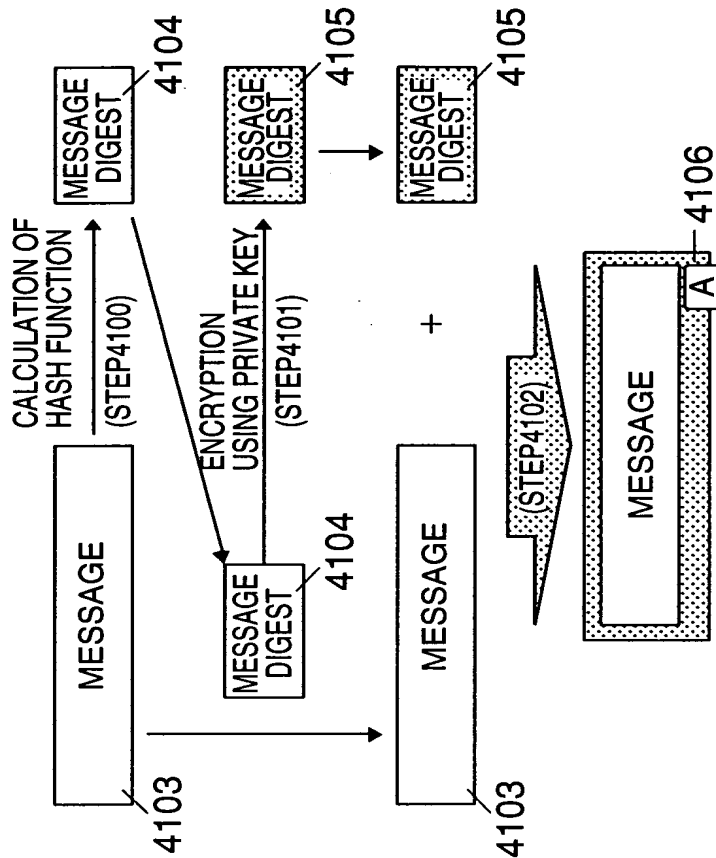
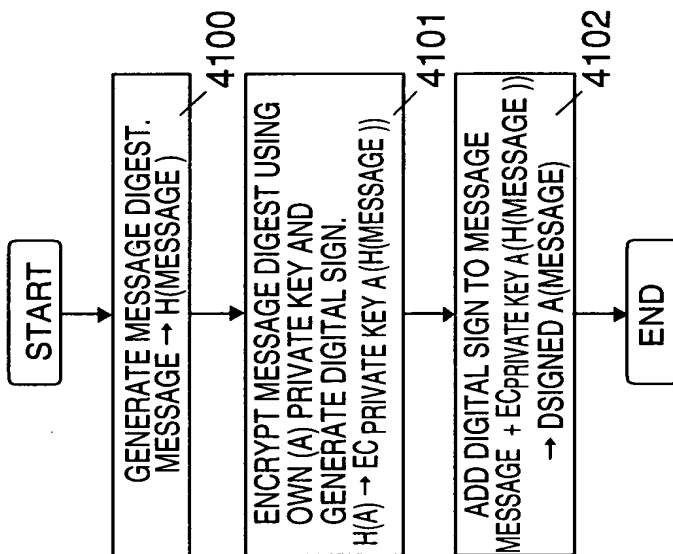
FIG. 40



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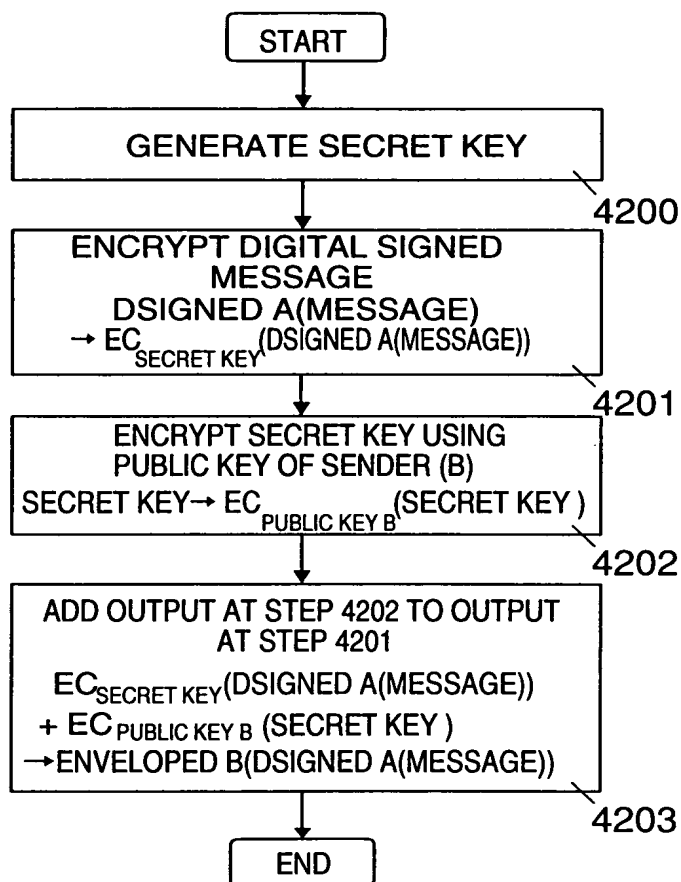
FIG. 41A

FIG. 41B



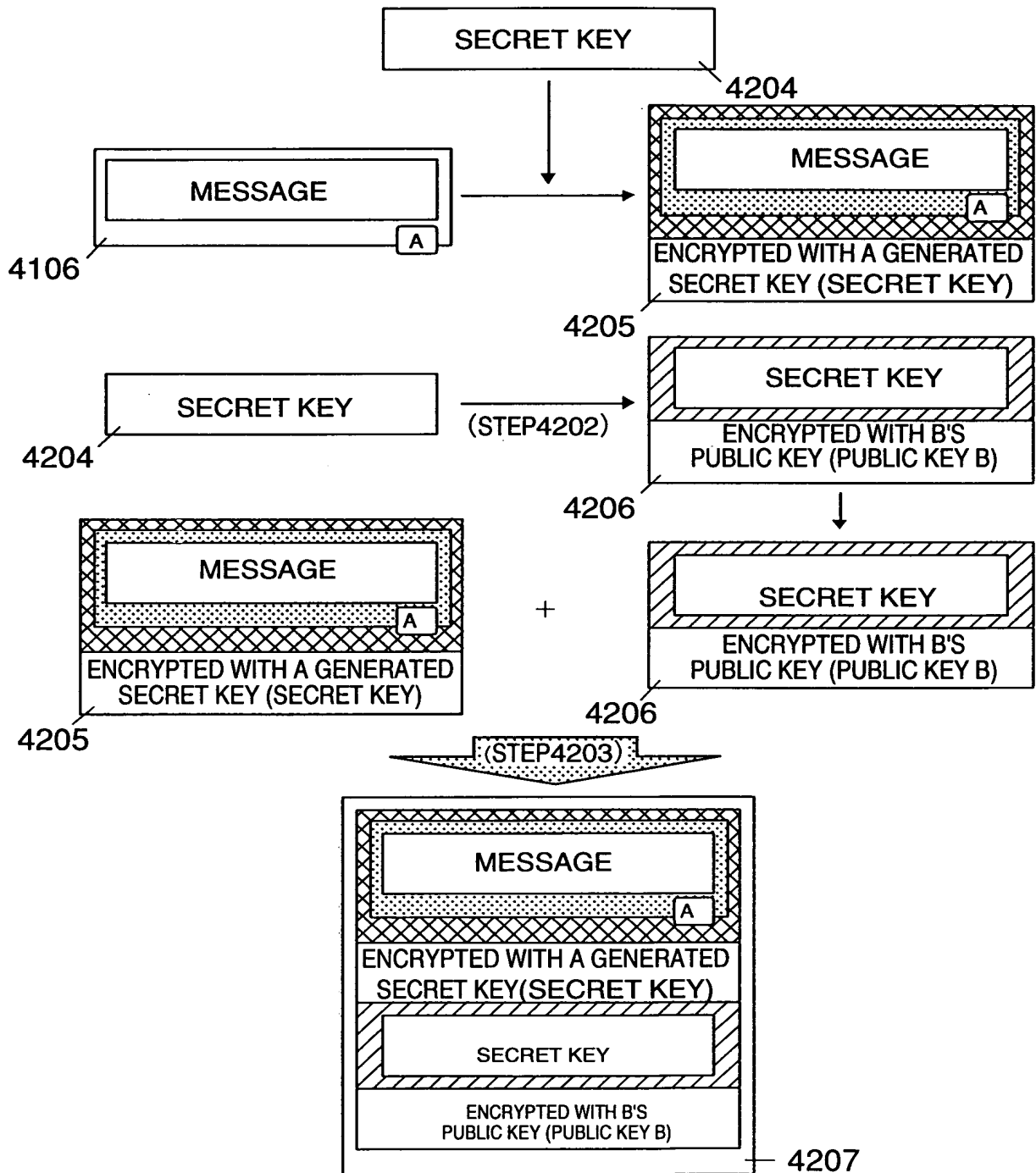
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FIG. 42A



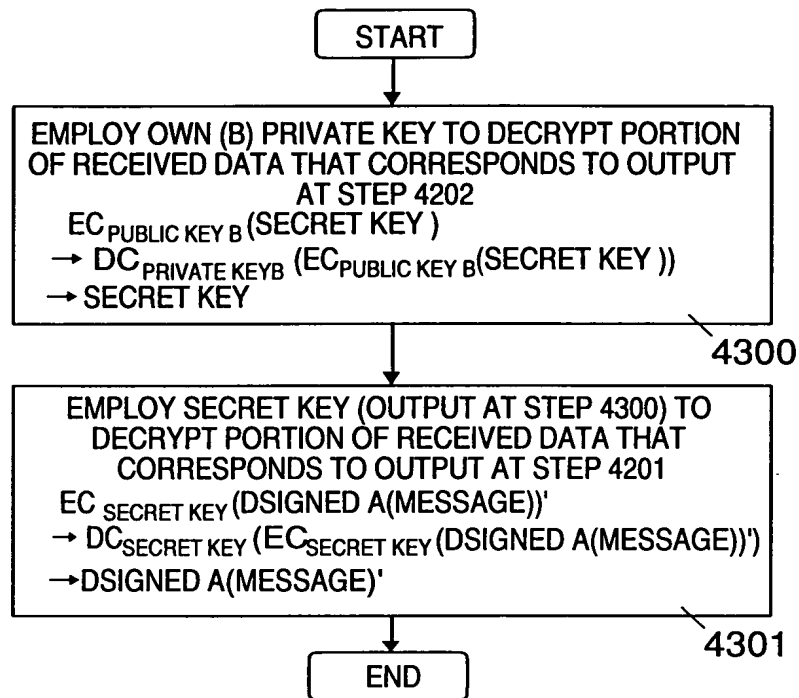
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FIG. 42B



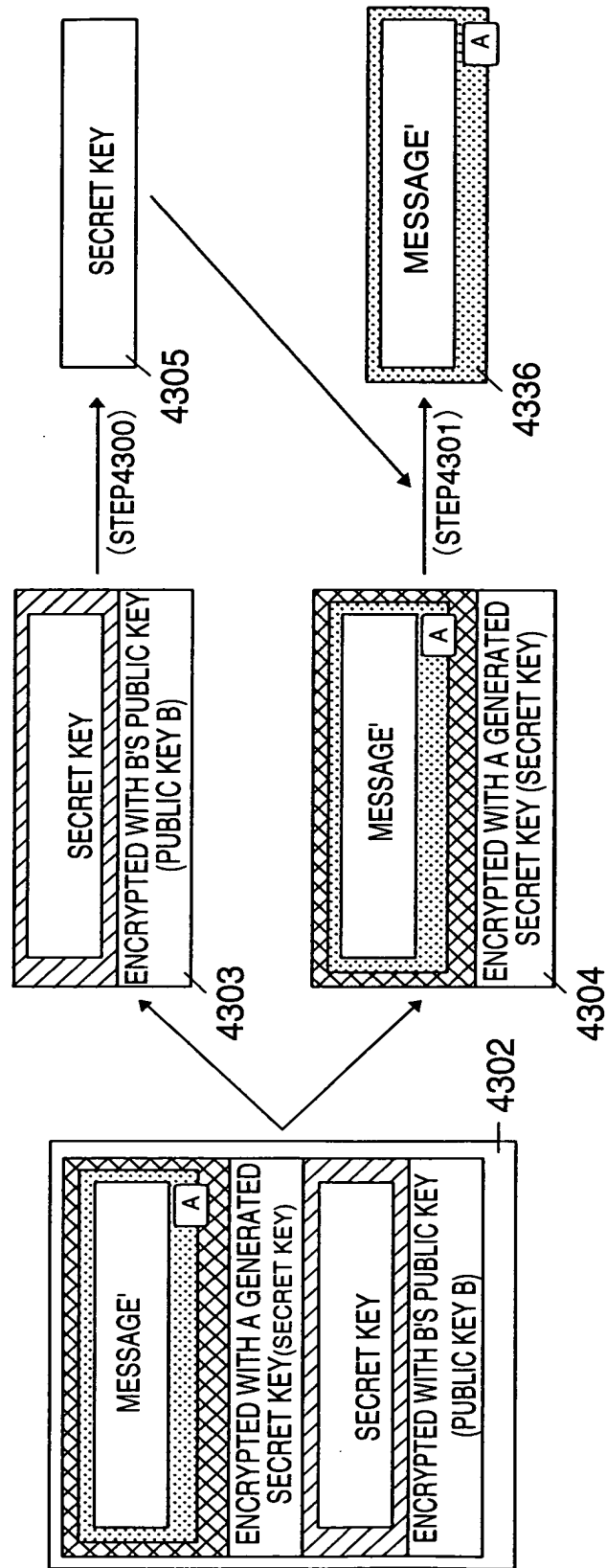
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FIG. 43A



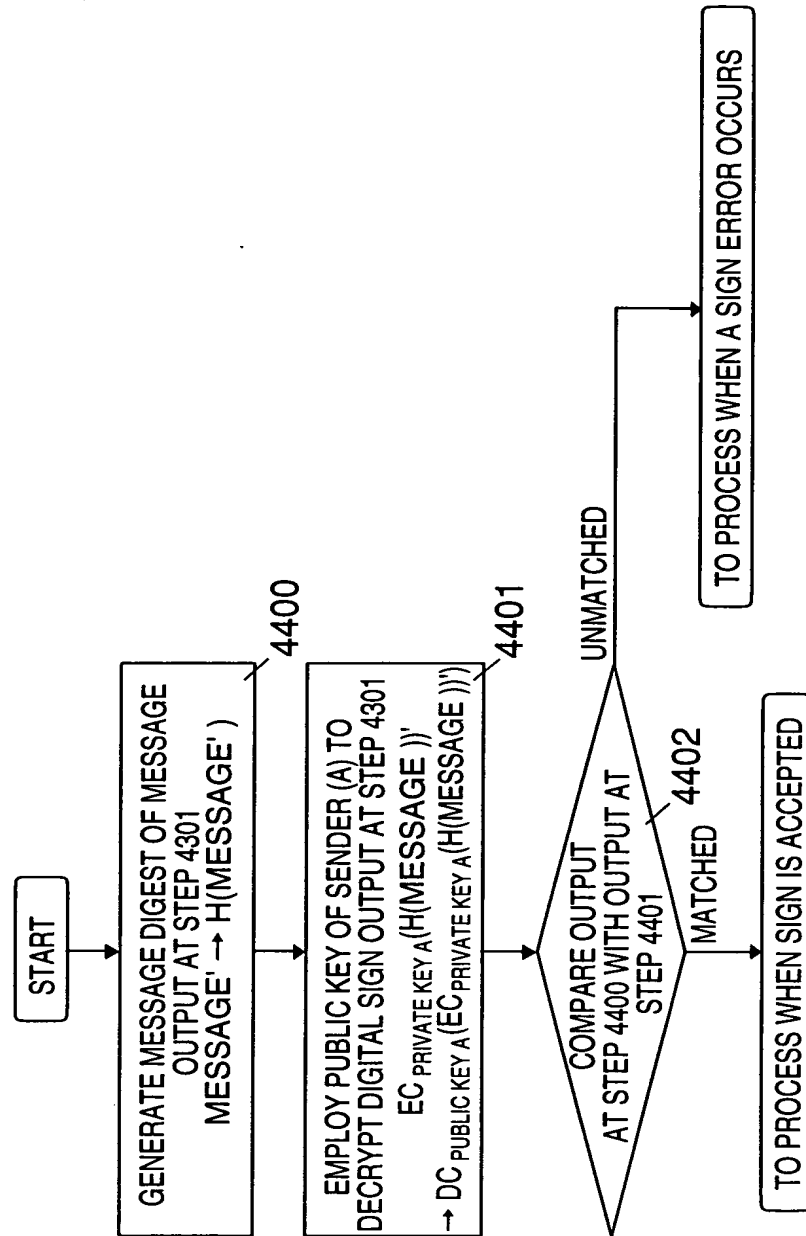
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FIG. 43B



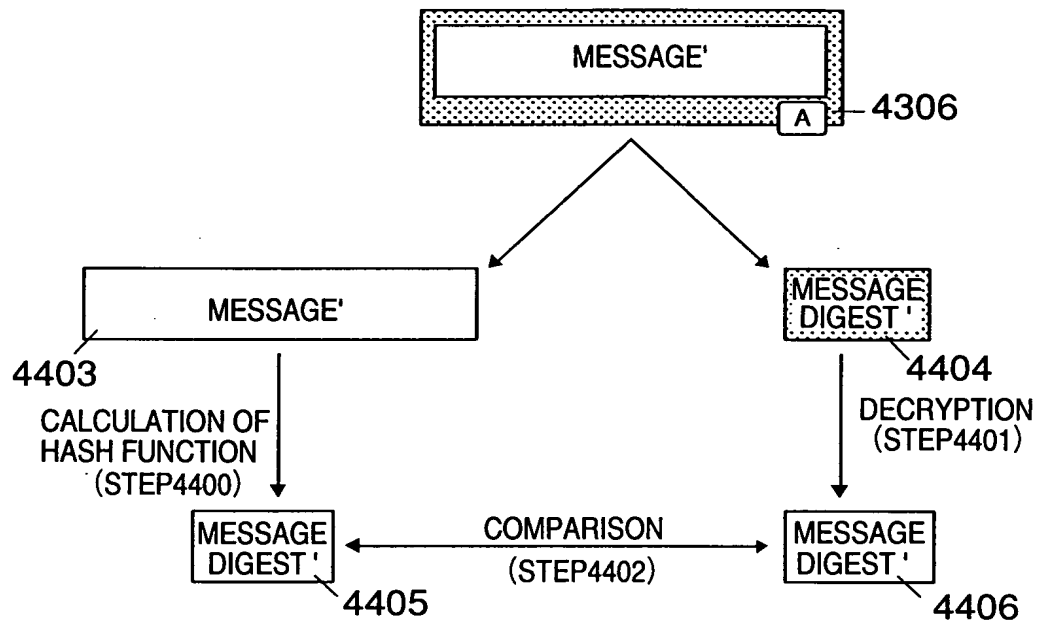
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FIG. 44A



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FIG. 44B





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FIG. 45

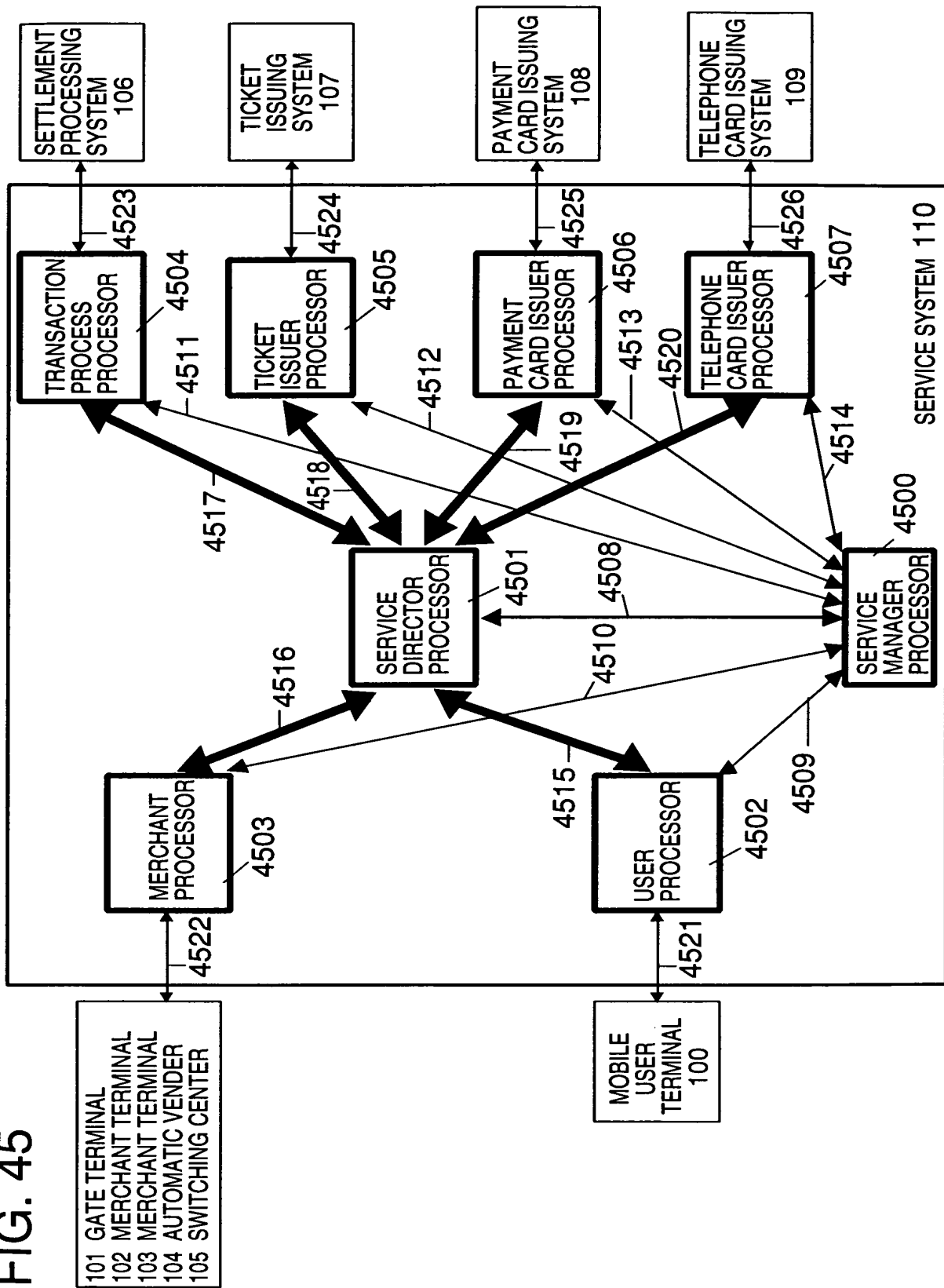


FIG. 46

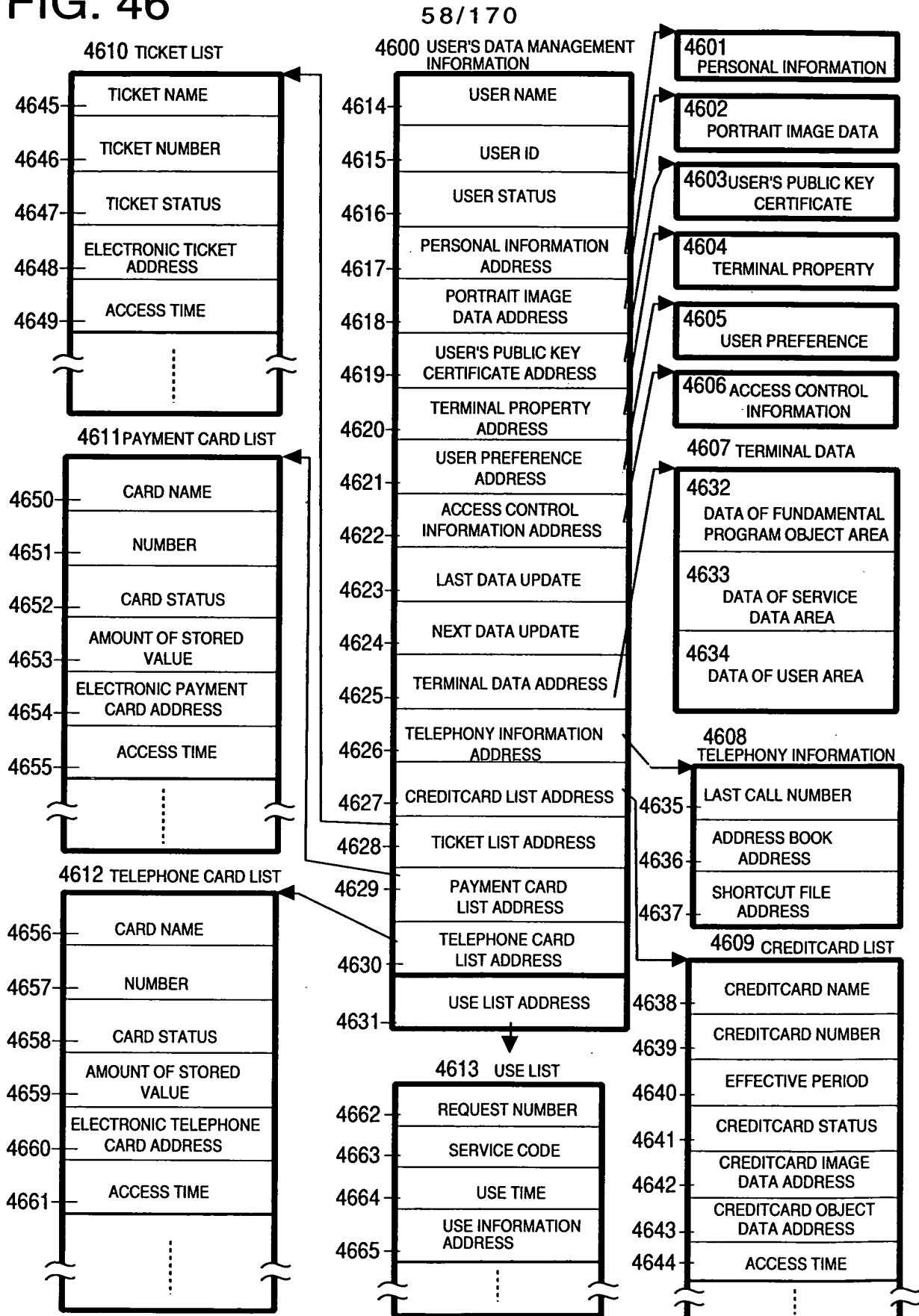


FIG. 47

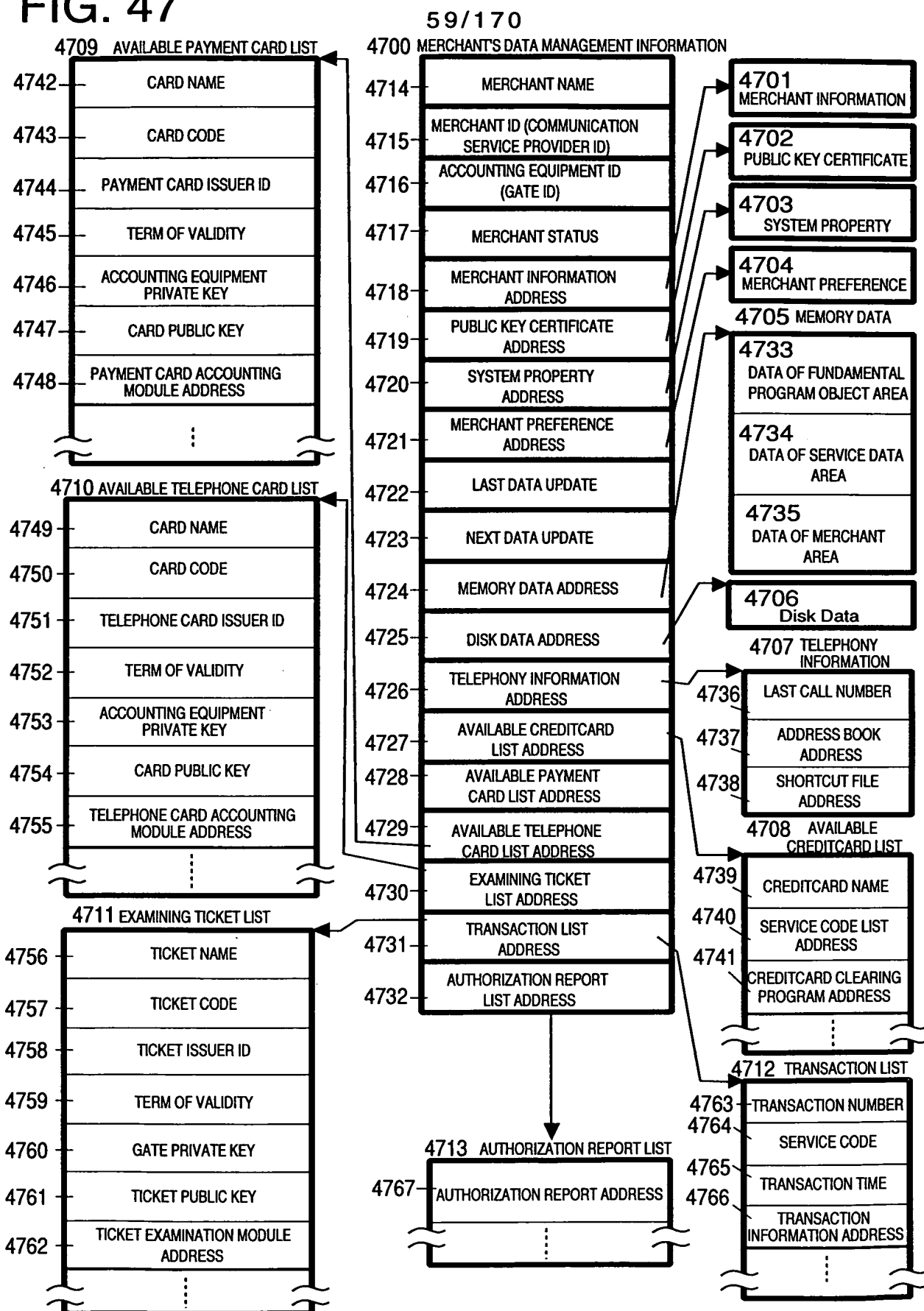
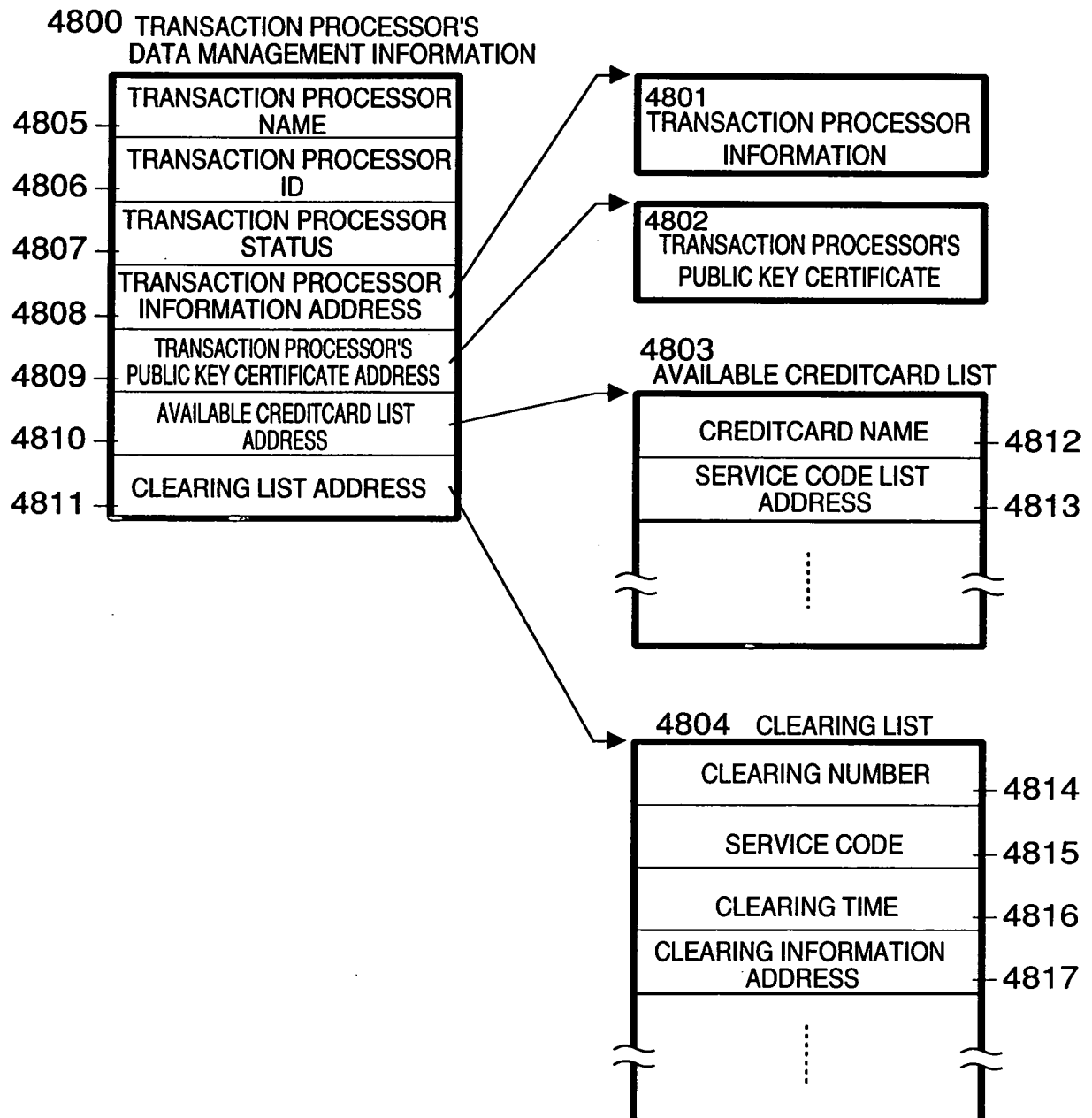
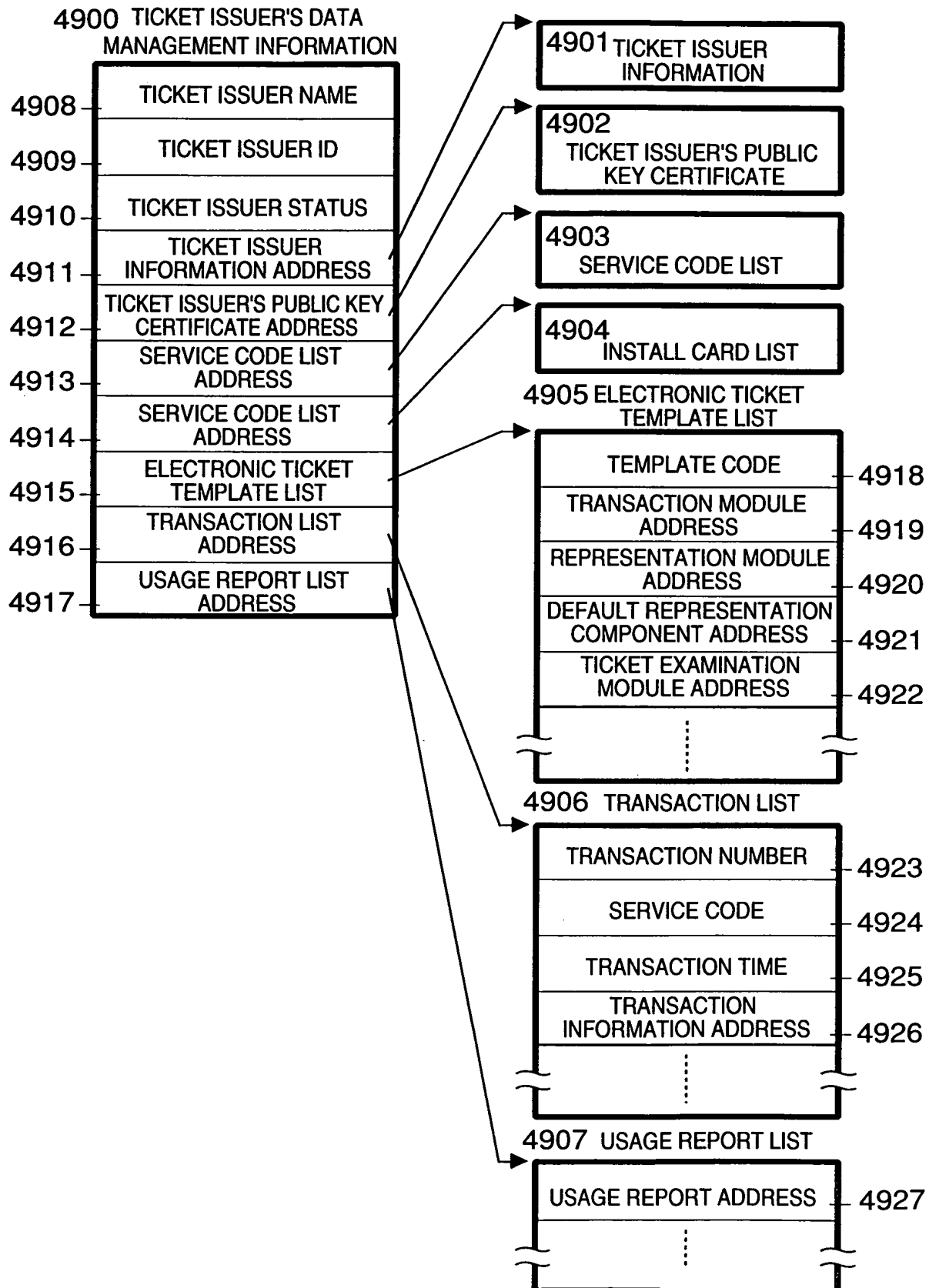


FIG. 48



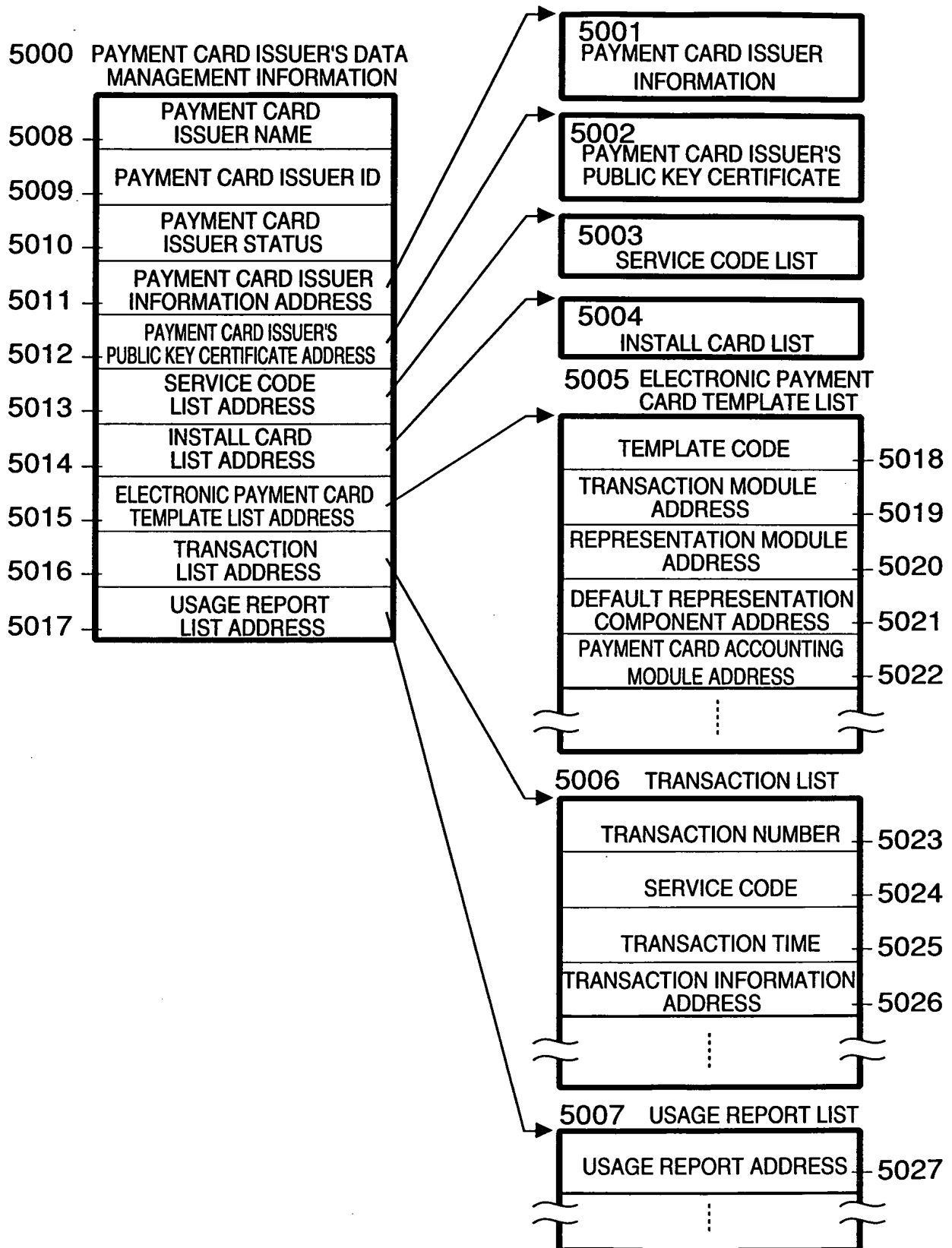
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FIG. 49



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FIG. 50



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FIG. 51

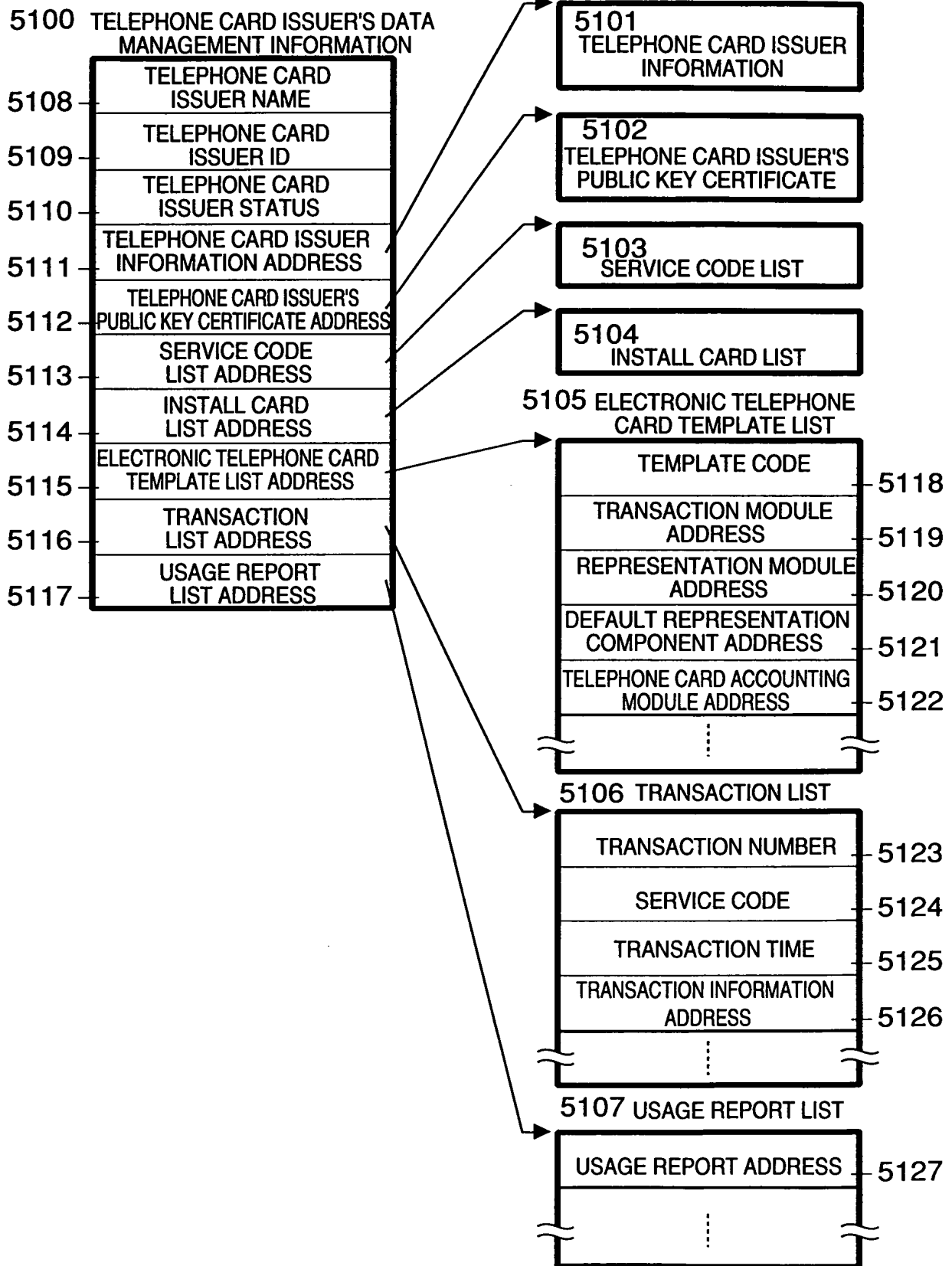


FIG. 52A

5200 USER LIST

5207	USER NAME
5208	USER ID
5209	USER'S TELEPHONE NUMBER
5210	USER PUBLIC KEY CERTIFICATE ADDRESS
5211	AVAILABLE SERVICE LIST ADDRESS
5212	USER INFORMATION ADDRESS
	...

FIG. 52B

5201MERCHANT LIST

5213	MERCHANT NAME
5214	MERCHANT ID (COMMUNICATION SERVICE PROVIDER ID)
5215	ACCOUNTING EQUIPMENT ID (GATE ID)
5216	MERCHANT'S TELEPHONE NUMBER
5217	AVAILABLE SERVICE LIST ADDRESS
5218	CUSTOMERS TABLE ADDRESS
5219	MERCHANT INFORMATION ADDRESS
	...

FIG. 52C

5202 TRANSACTION  
PROCESSORS LIST

5220	TRANSACTION PROCESSOR NAME
5221	TRANSACTION PROCESSOR ID
5222	TRANSACTION PROCESSOR'S COMMUNICATION ID
5223	AVAILABLE SERVICE LIST ADDRESS
5224	TRANSACTION PROCESSOR INFORMATION ADDRESS
	...



FIG. 52D

## 5203 TICKET ISSUERS LIST

5225	TICKET ISSUER NAME
5226	TICKET ISSUER ID
5227	TICKET ISSUER'S COMMUNICATION ID
5228	AVAILABLE SERVICE LIST ADDRESS
5229	INSTALL CARD LIST ADDRESS
5230	CUSTOMERS TABLE ADDRESS
5231	TICKET ISSUER INFORMATION ADDRESS
	⋮

FIG. 52E

## 5204 PAYMENT CARD ISSUERS LIST

5232	PAYMENT CARD ISSUER NAME
5233	PAYMENT CARD ISSUER ID
5234	PAYMENT CARD ISSUER'S COMMUNICATION ID
5235	AVAILABLE SERVICE LIST ADDRESS
5236	INSTALL CARD LIST ADDRESS
5237	CUSTOMERS TABLE ADDRESS
5238	PAYMENT CARD ISSUER INFORMATION ADDRESS
	⋮

FIG. 52F

5205 TELEPHONE CARD ISSUERS LIST

5239	TELEPHONE CARD ISSUER NAME
5240	TELEPHONE CARD ISSUER ID
5241	TELEPHONE CARD ISSUER'S COMMUNICATION ID
5242	AVAILABLE SERVICE LIST ADDRESS
5243	INSTALL CARD LIST ADDRESS
5244	CUSTOMERS TABLE ADDRESS
5245	TELEPHONE CARD ISSUER INFORMATION ADDRESS
	...

FIG. 52G

5206 PROVIDED SERVICE LIST

5246	SERVICE PROVIDING NUMBER
5247	SERVICE CODE
5248	SERVICE PROVIDING TIME
5249	PROVIDED SERVICE INFORMATION ADDRESS
	...

FIG. 53

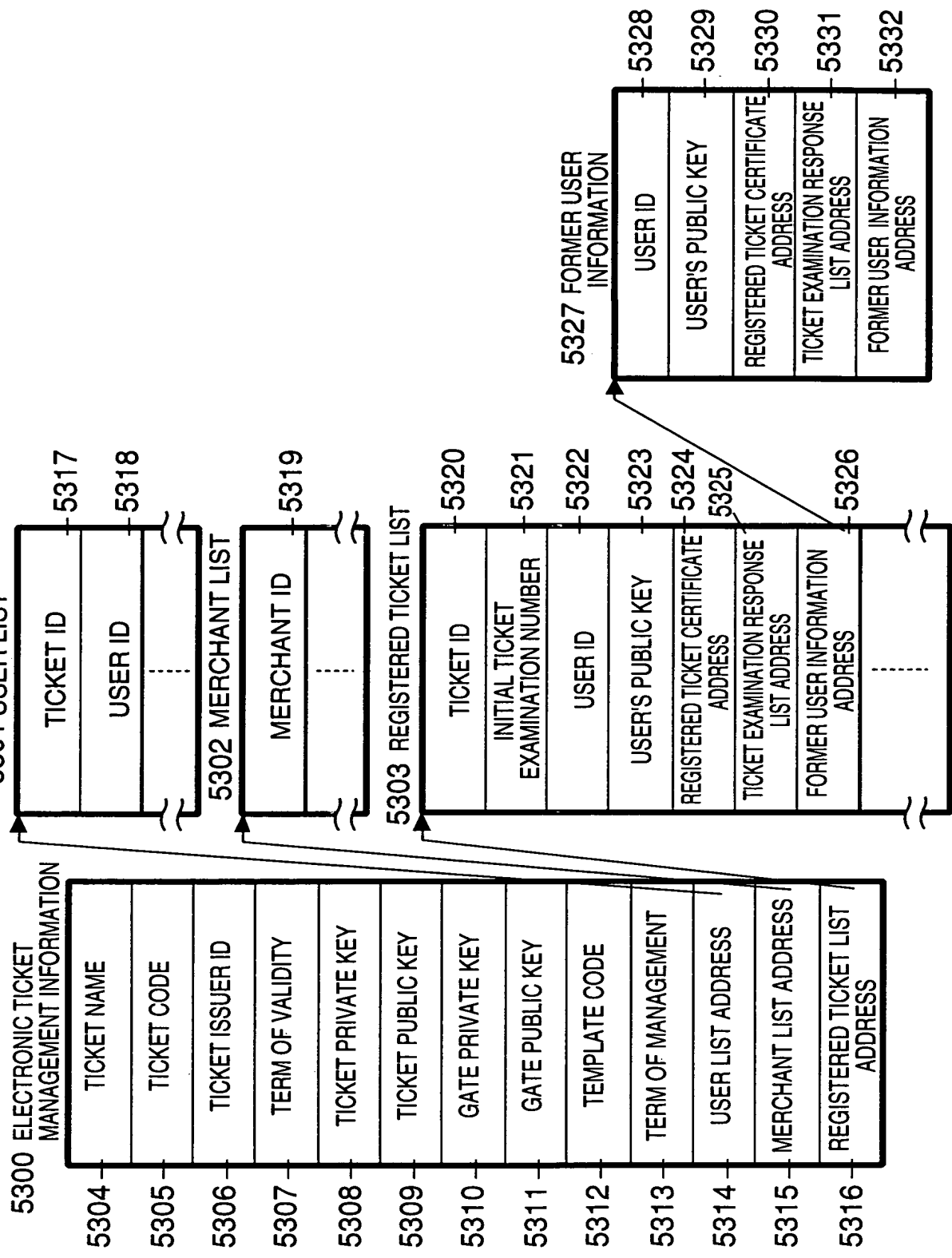


FIG. 54

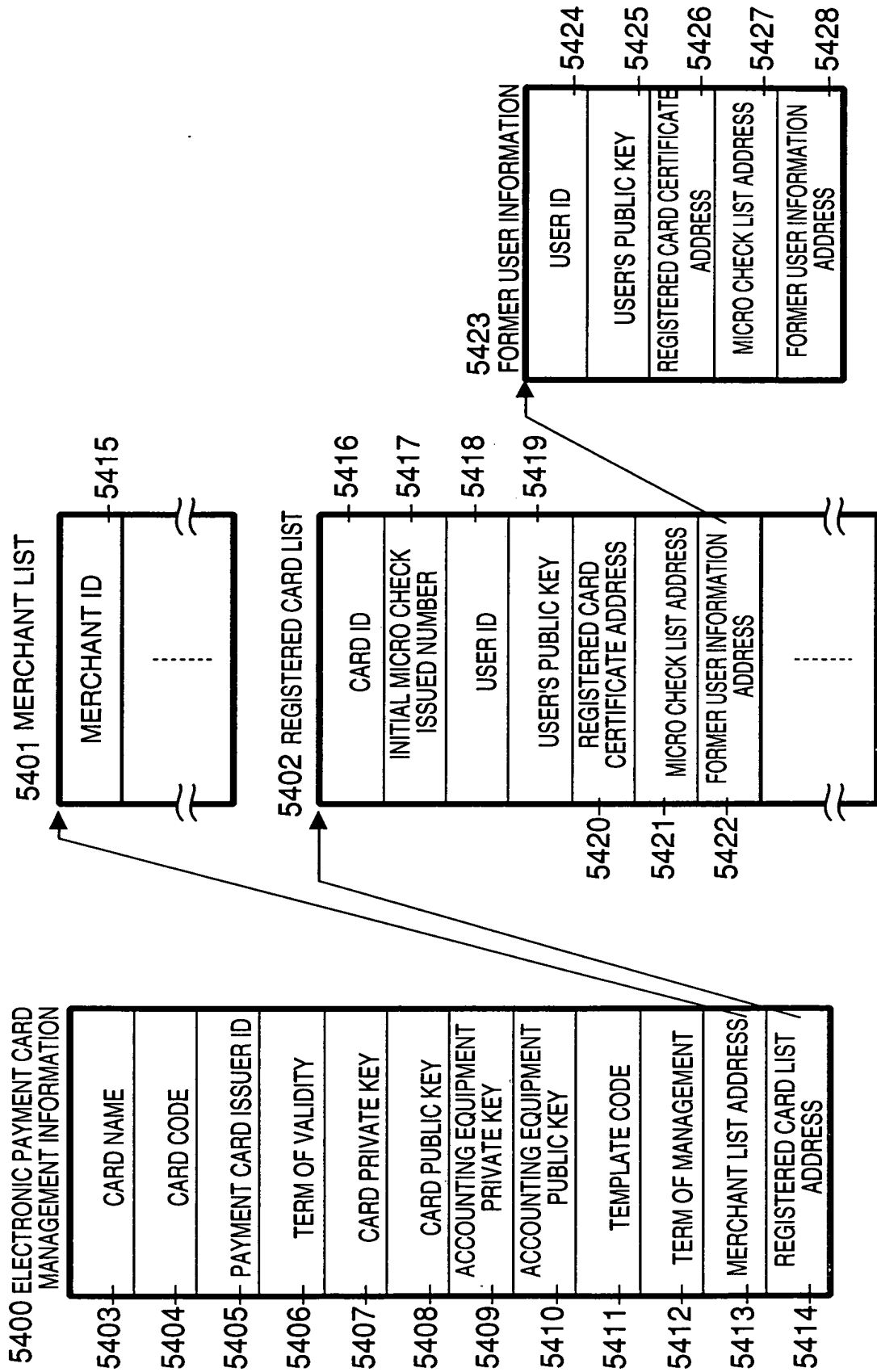
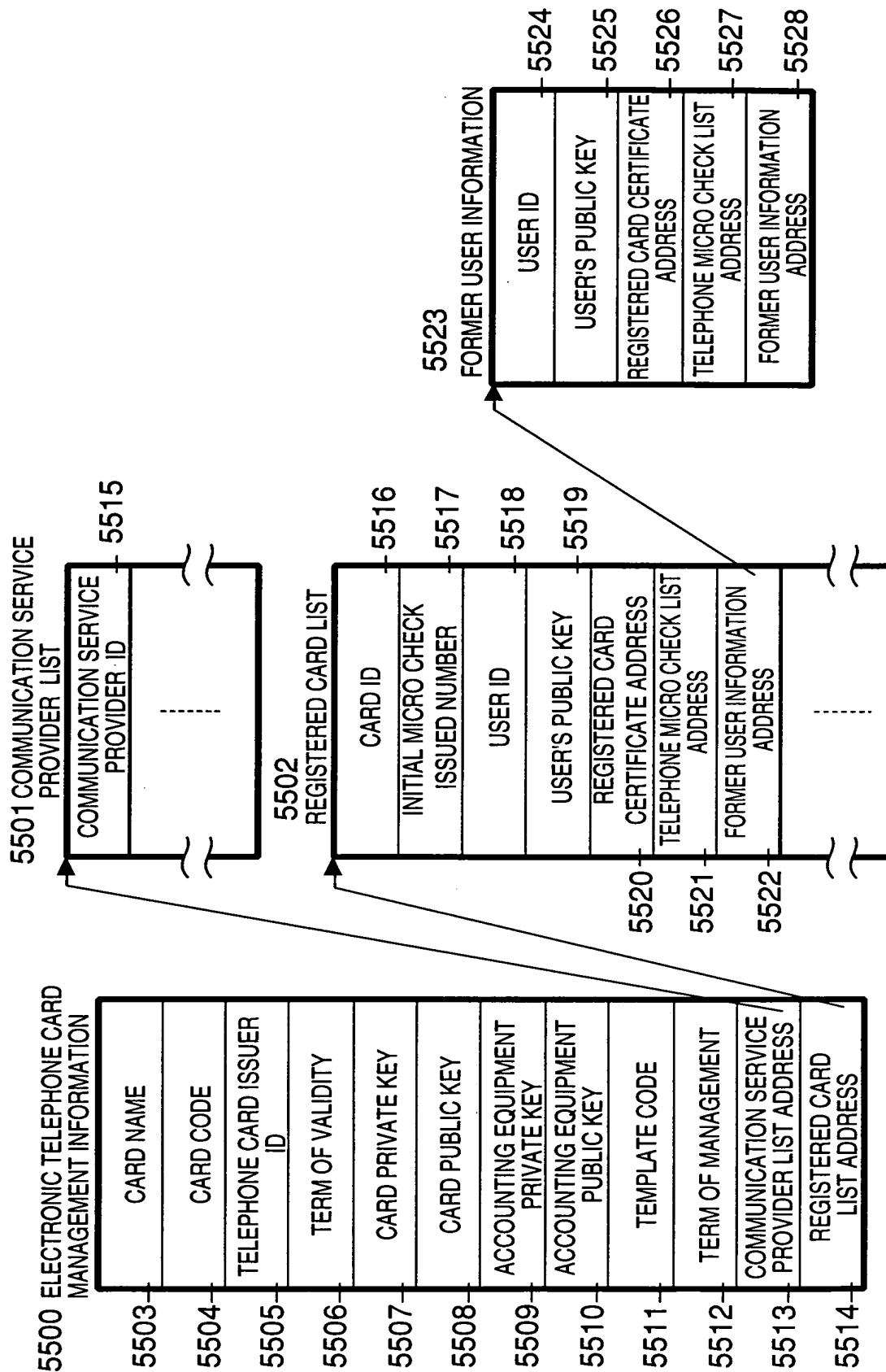


FIG. 55



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FIG. 56A

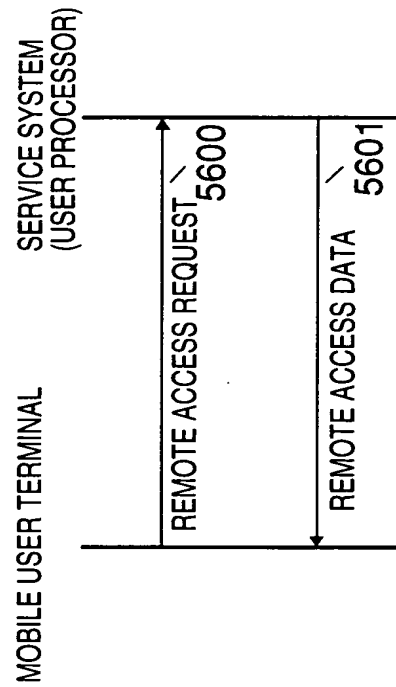
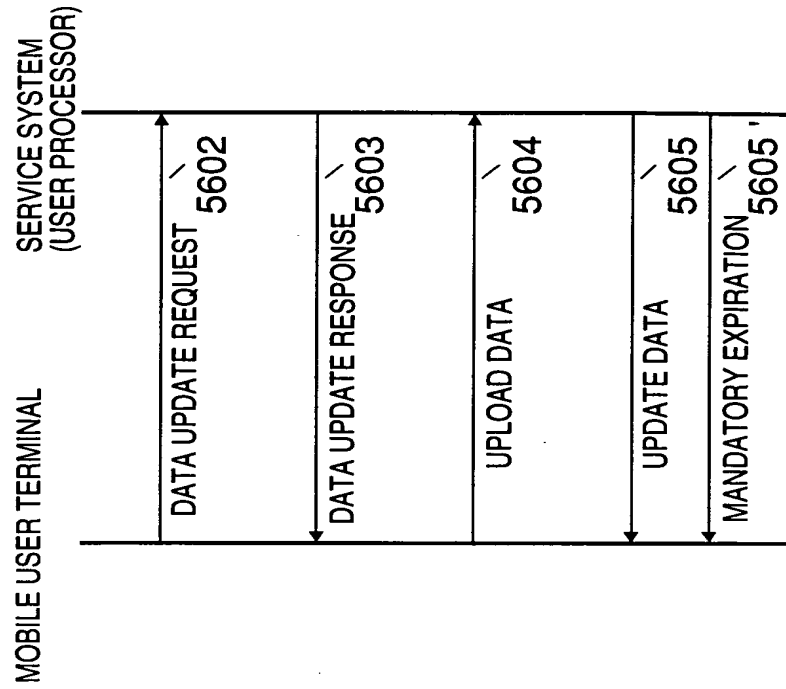


FIG. 56B



**FIG. 56D**

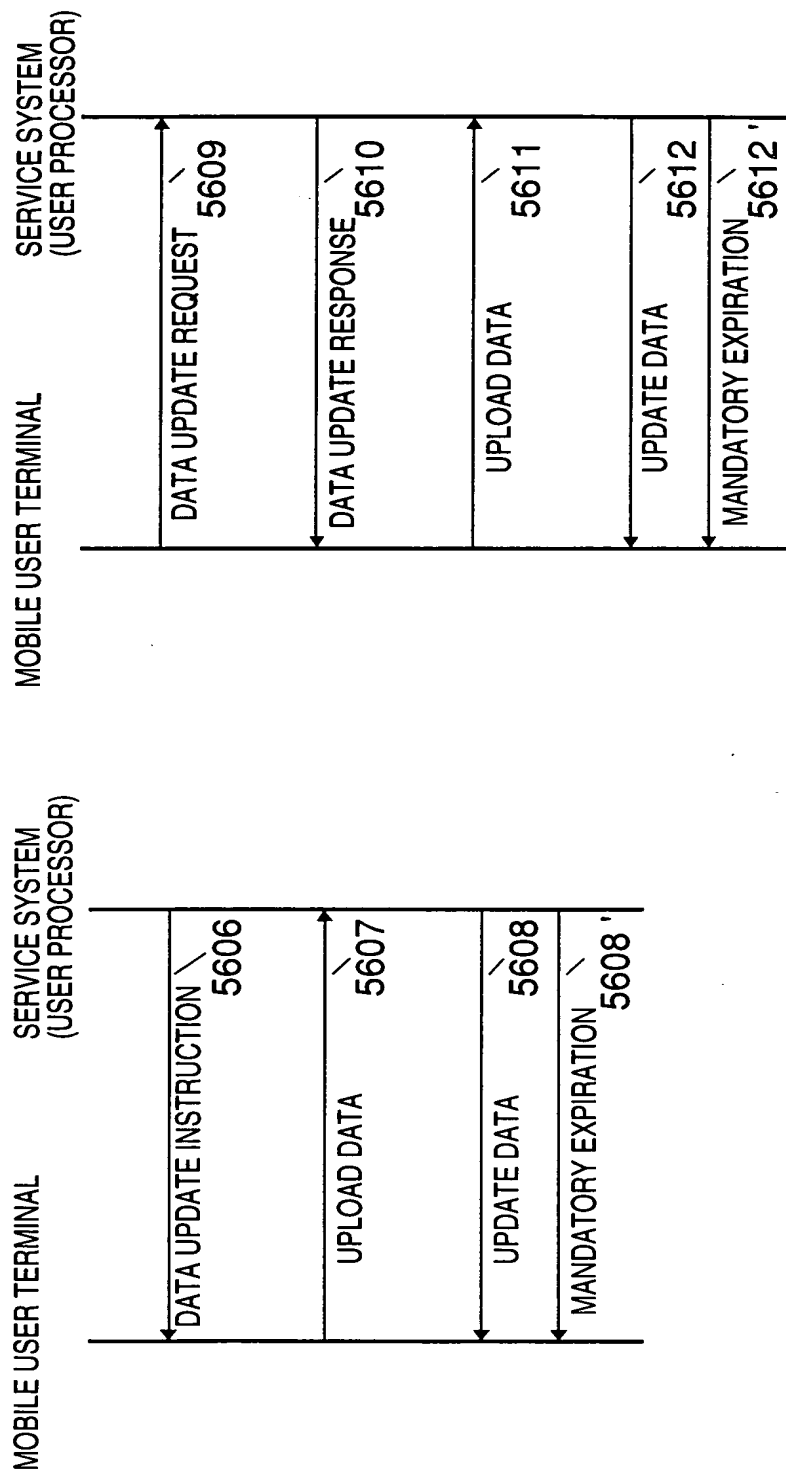


FIG. 57A

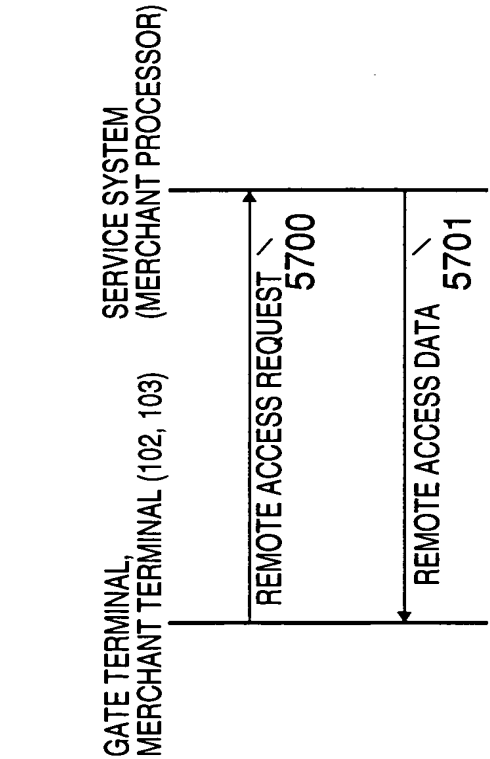


FIG. 57B

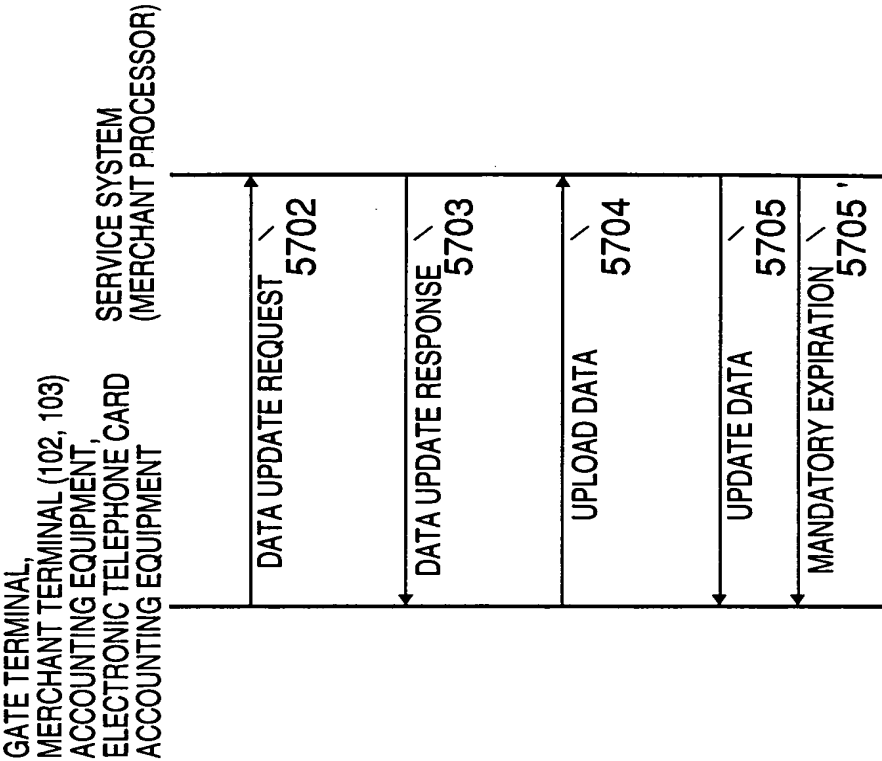




FIG. 57D

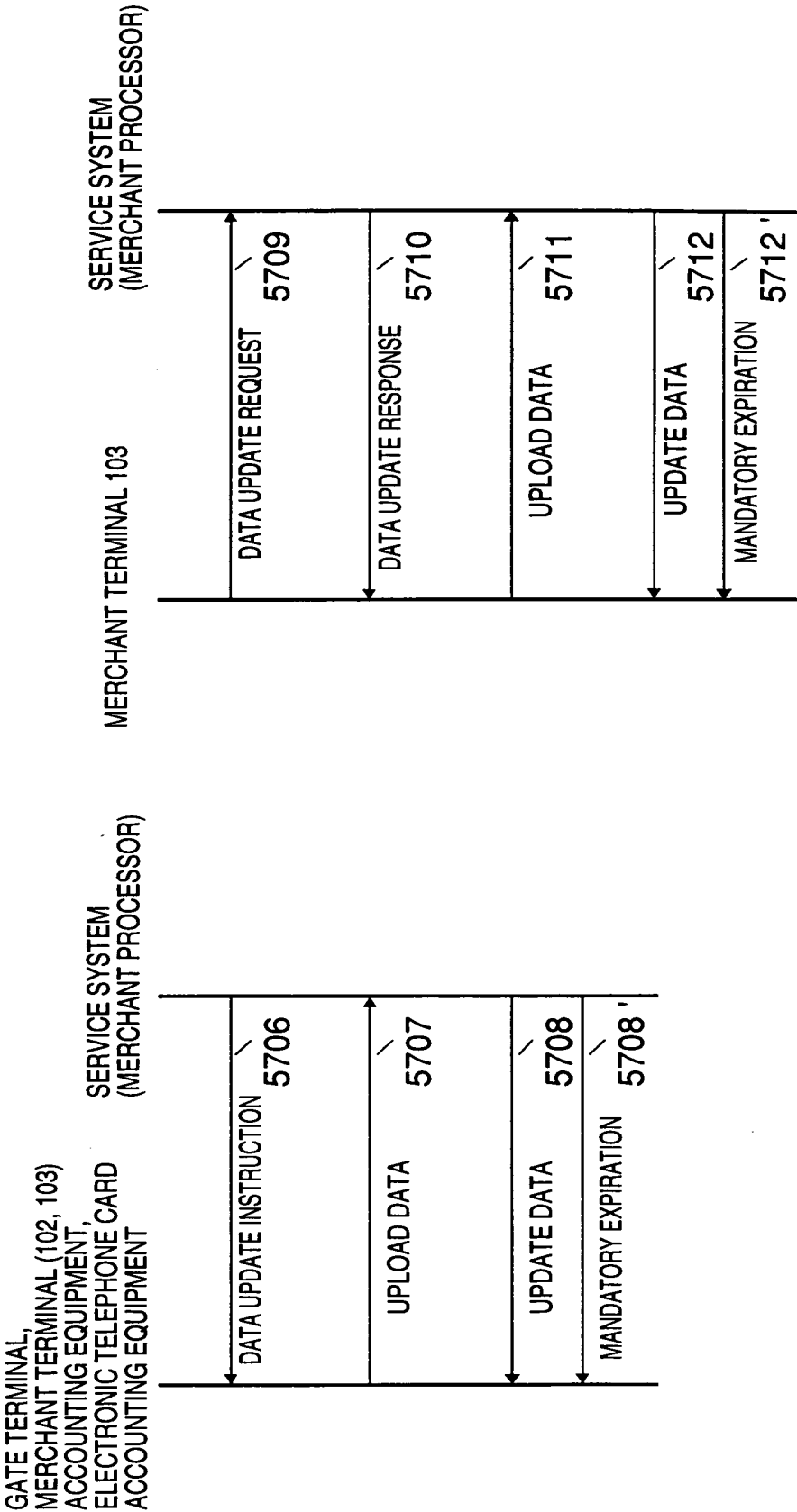
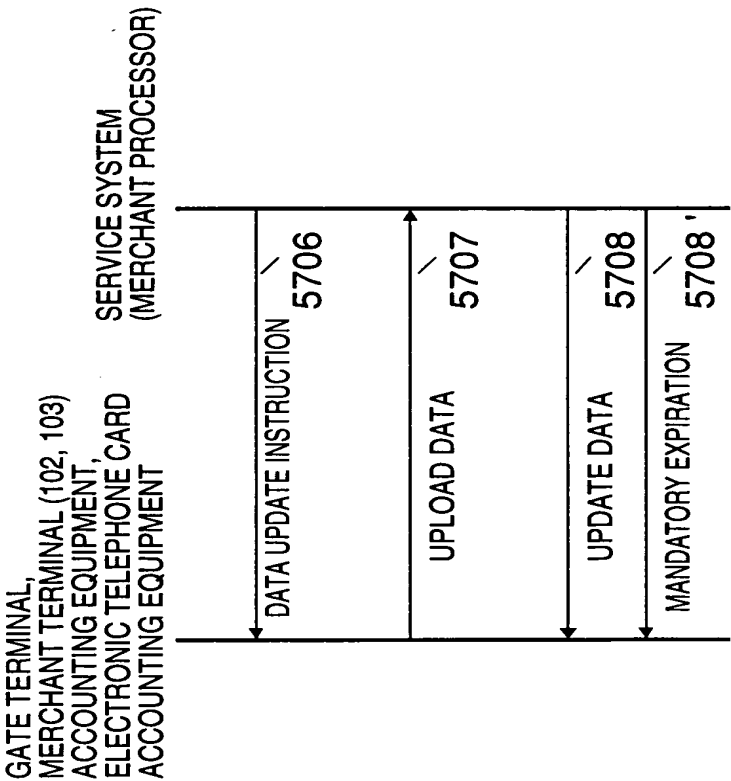
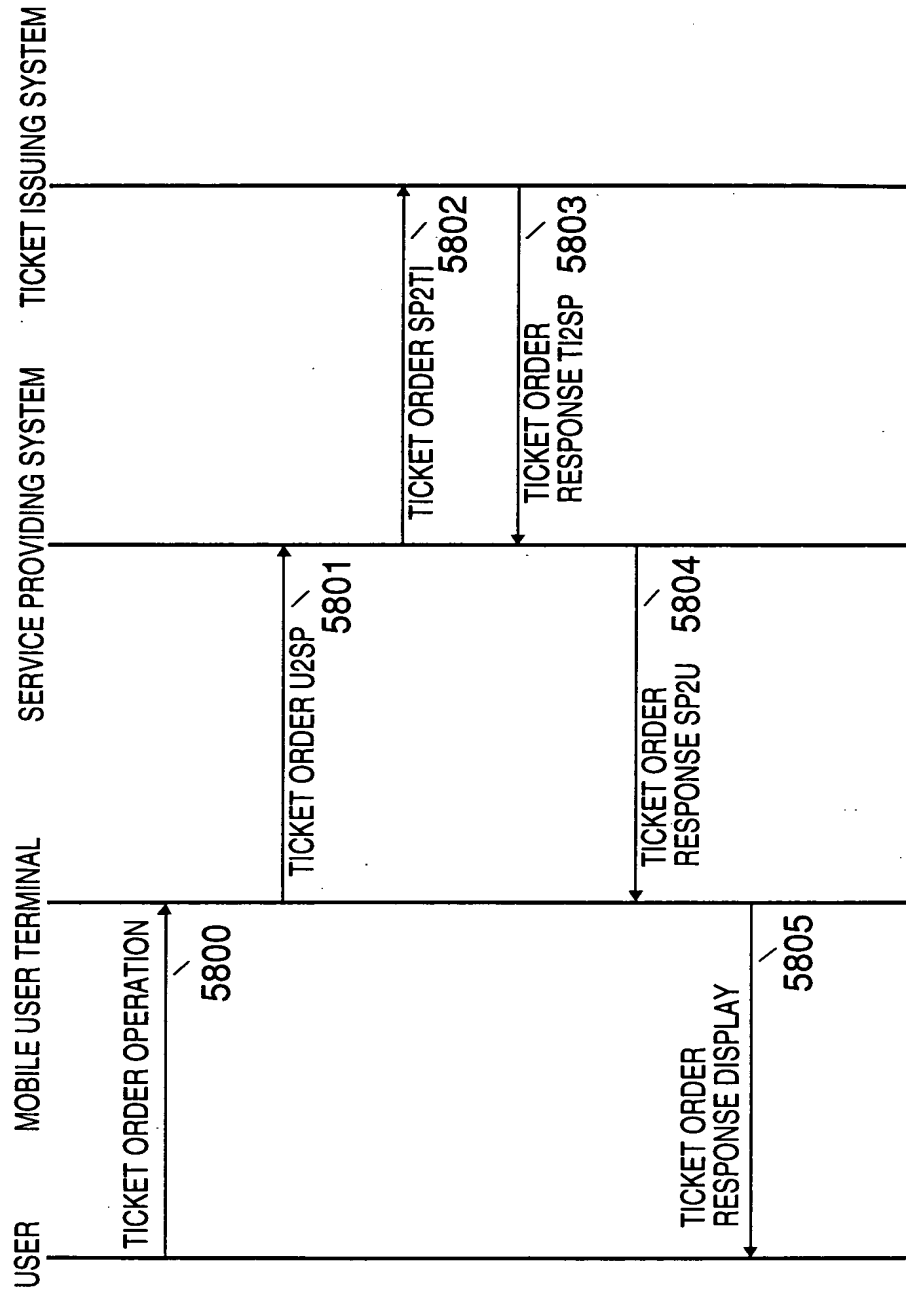


FIG. 57C



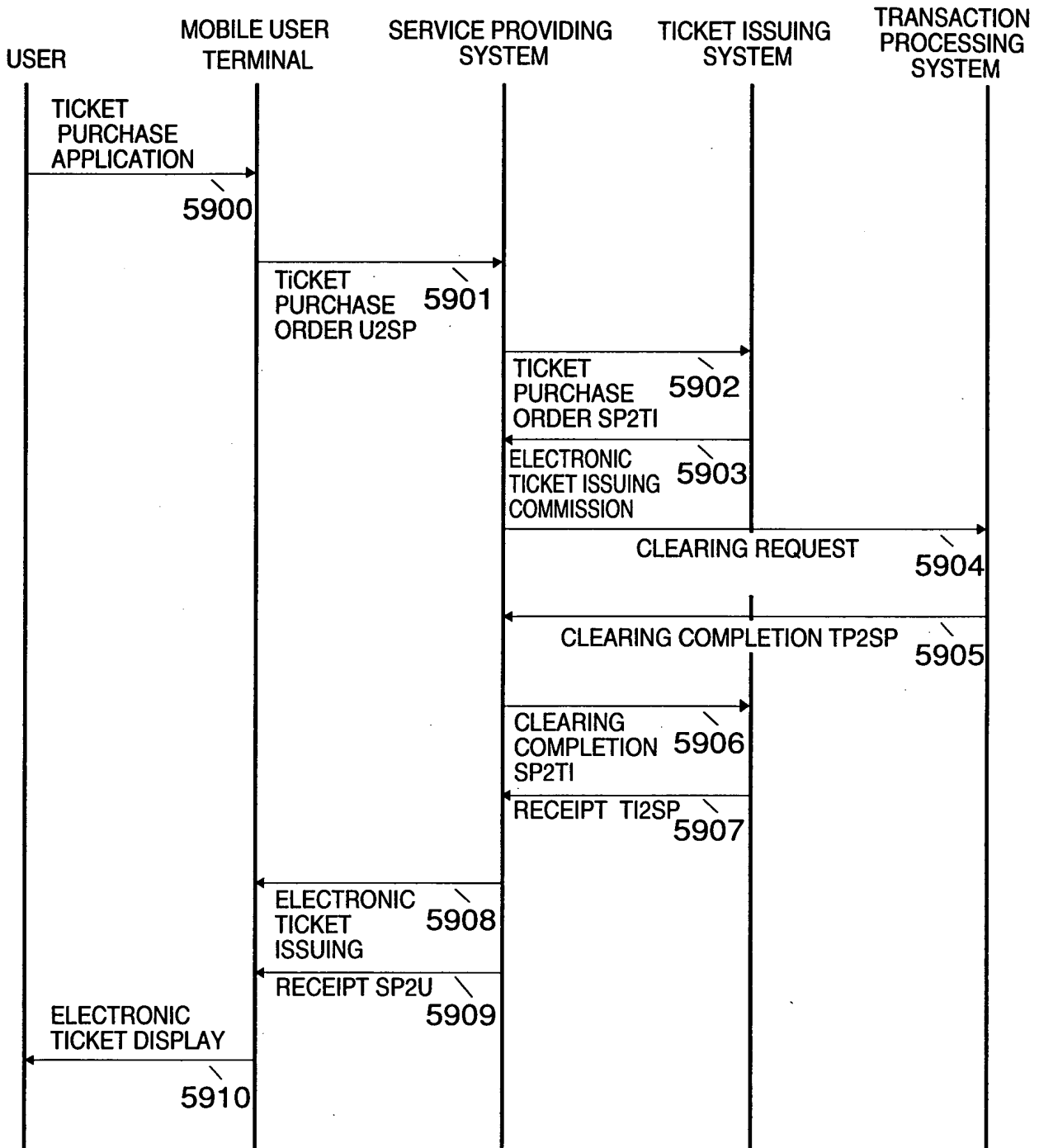
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FIG. 58



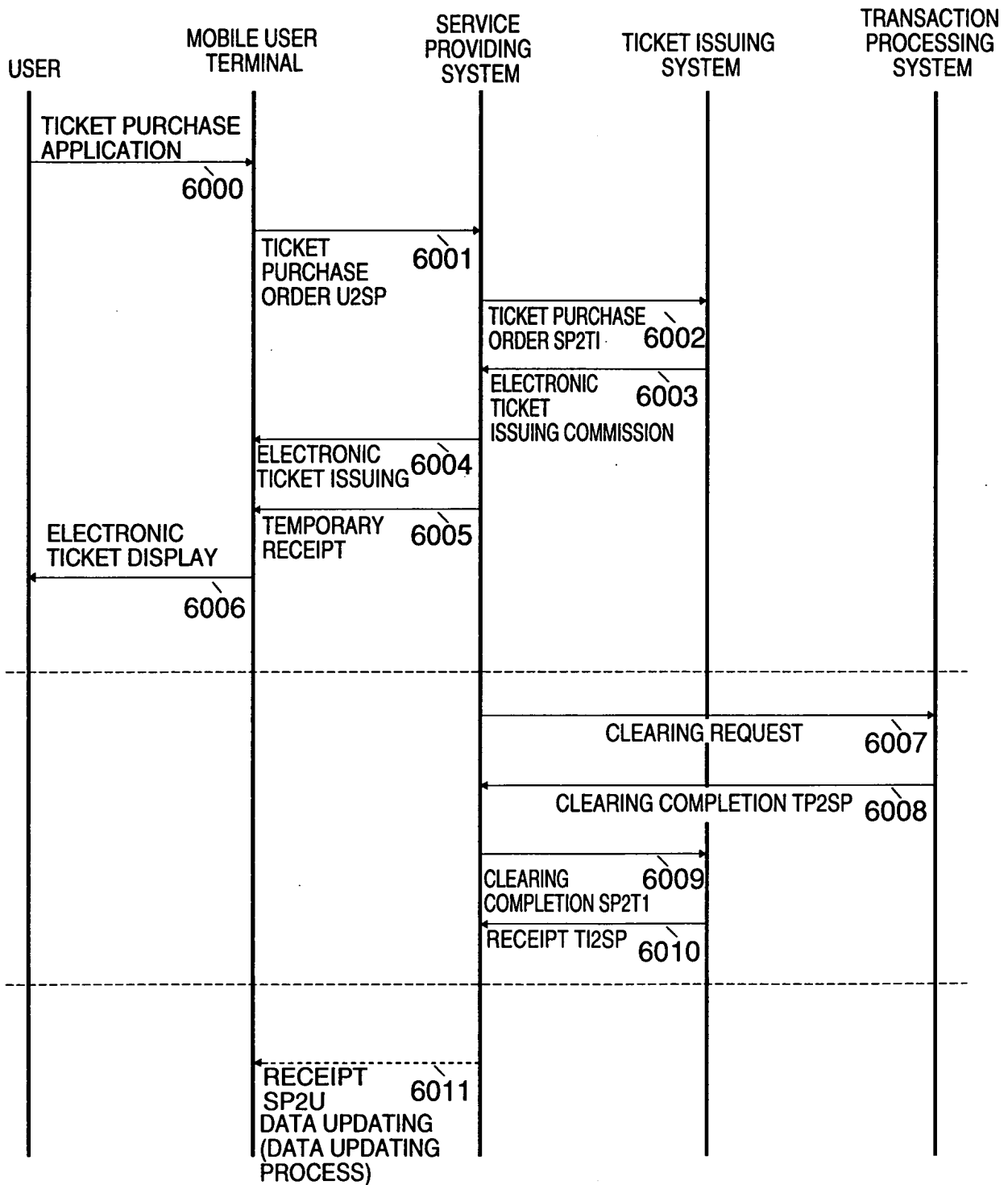
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FIG. 59



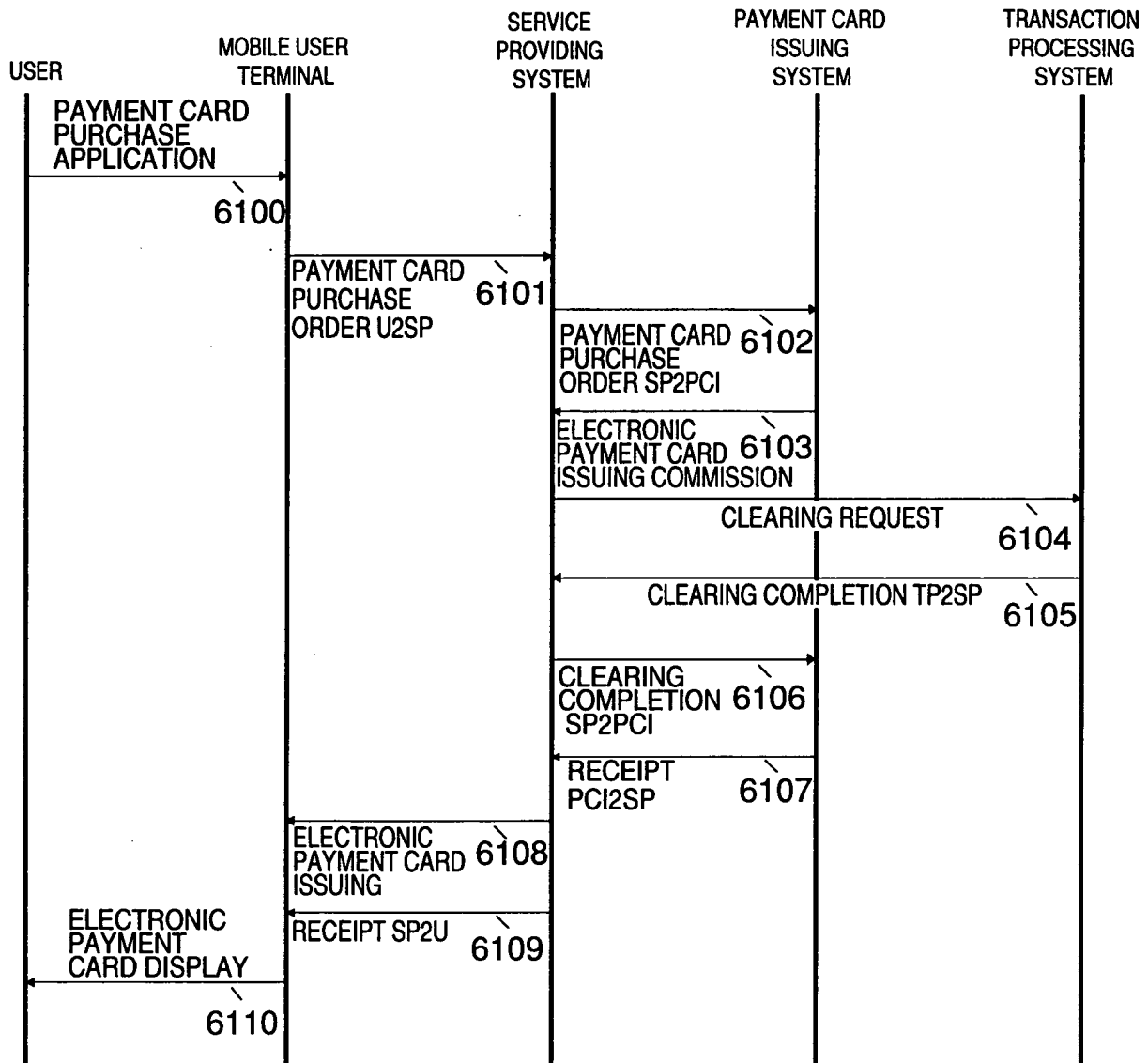
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FIG. 60



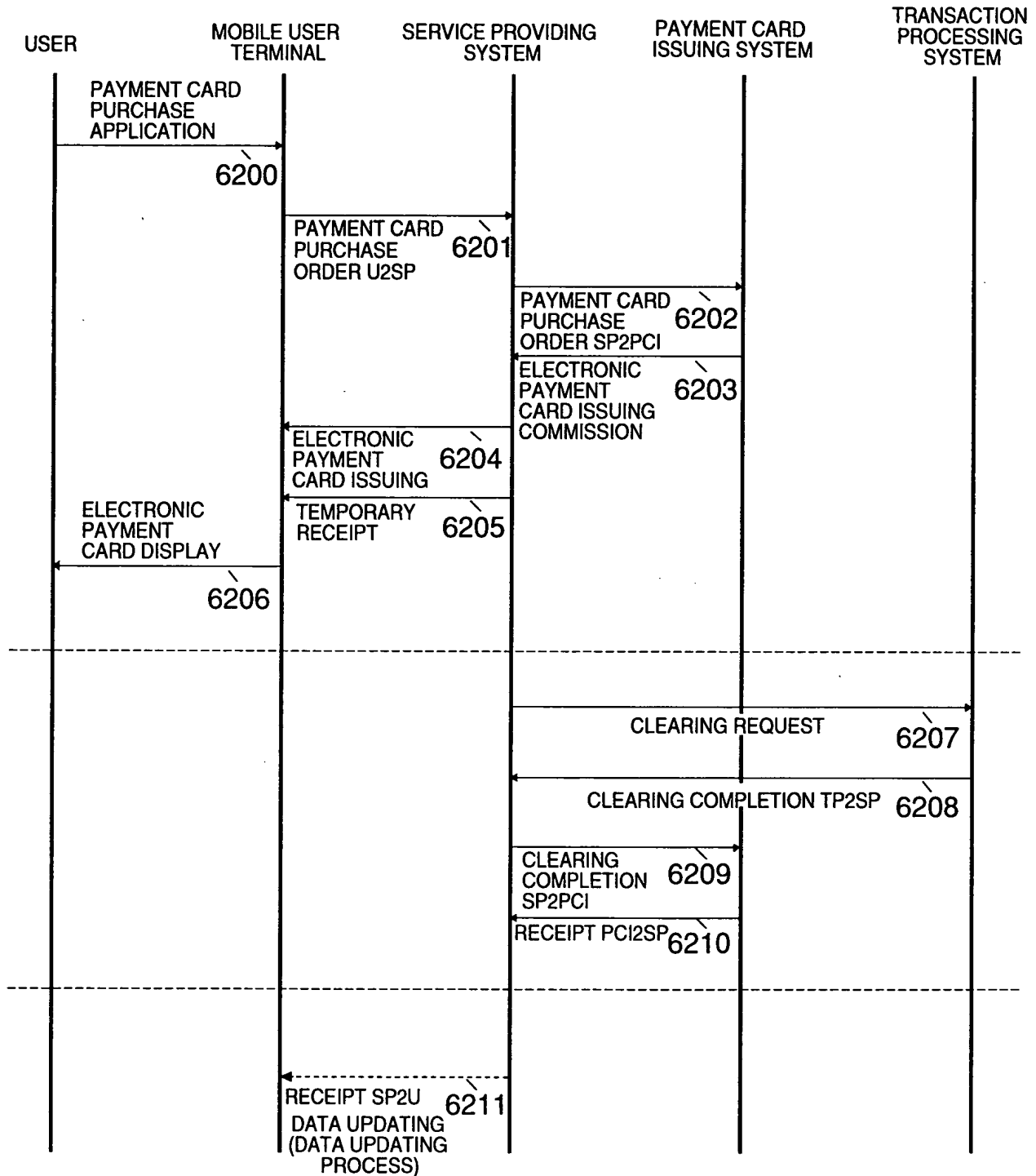
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FIG. 61



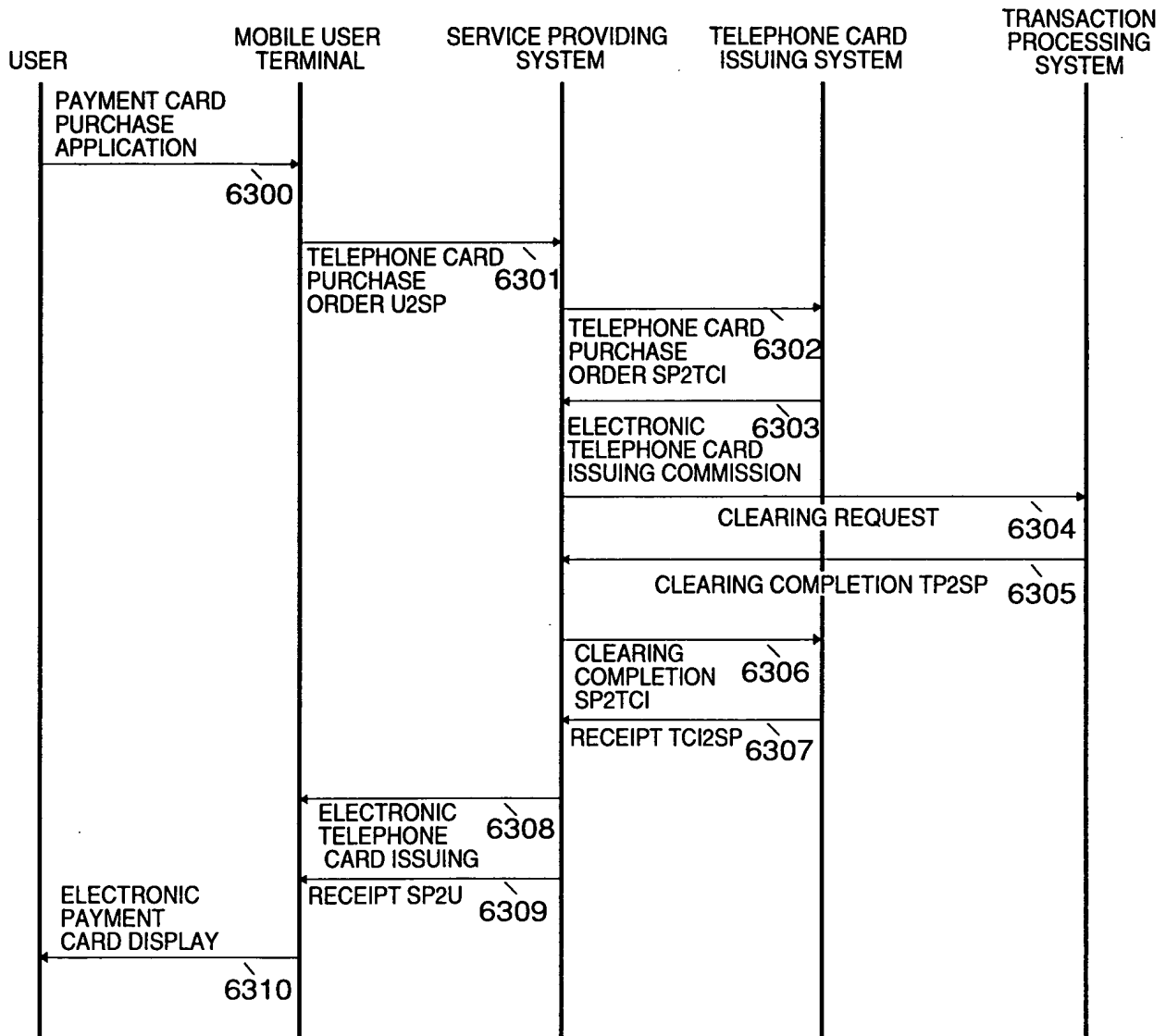
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FIG. 62



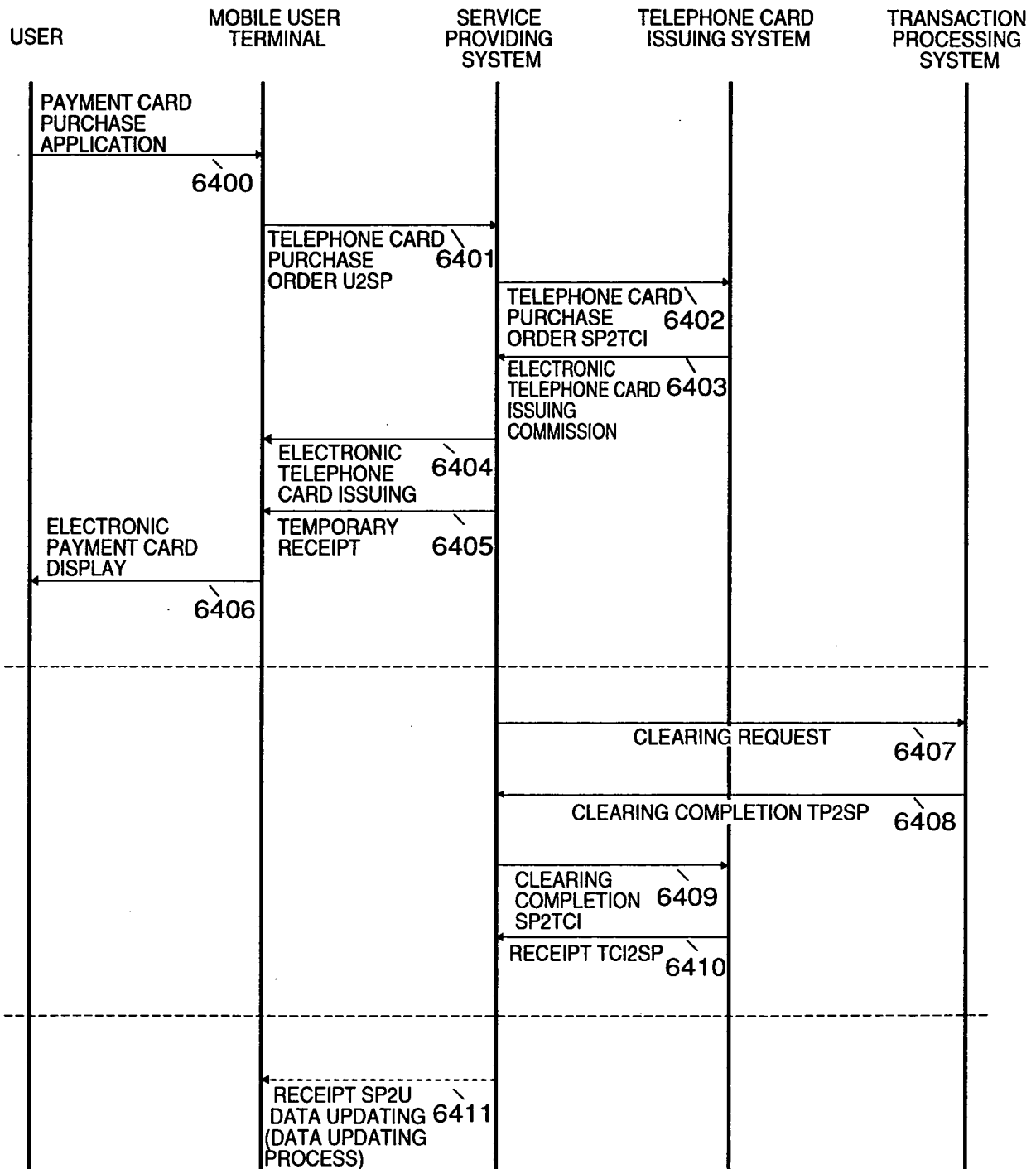
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FIG. 63



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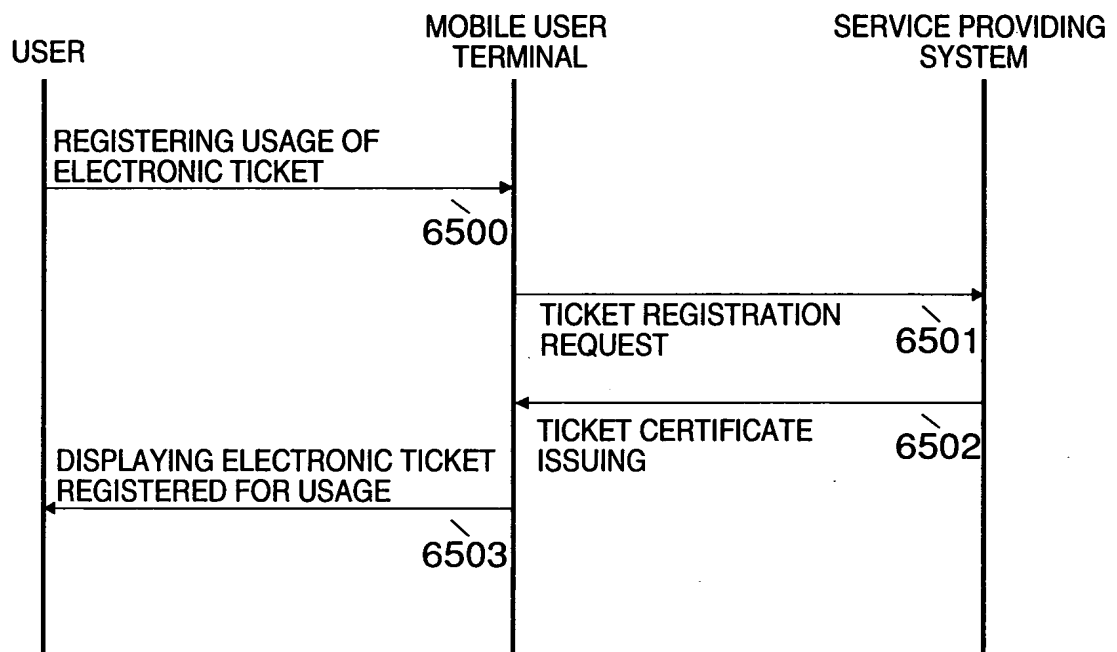
FIG. 64





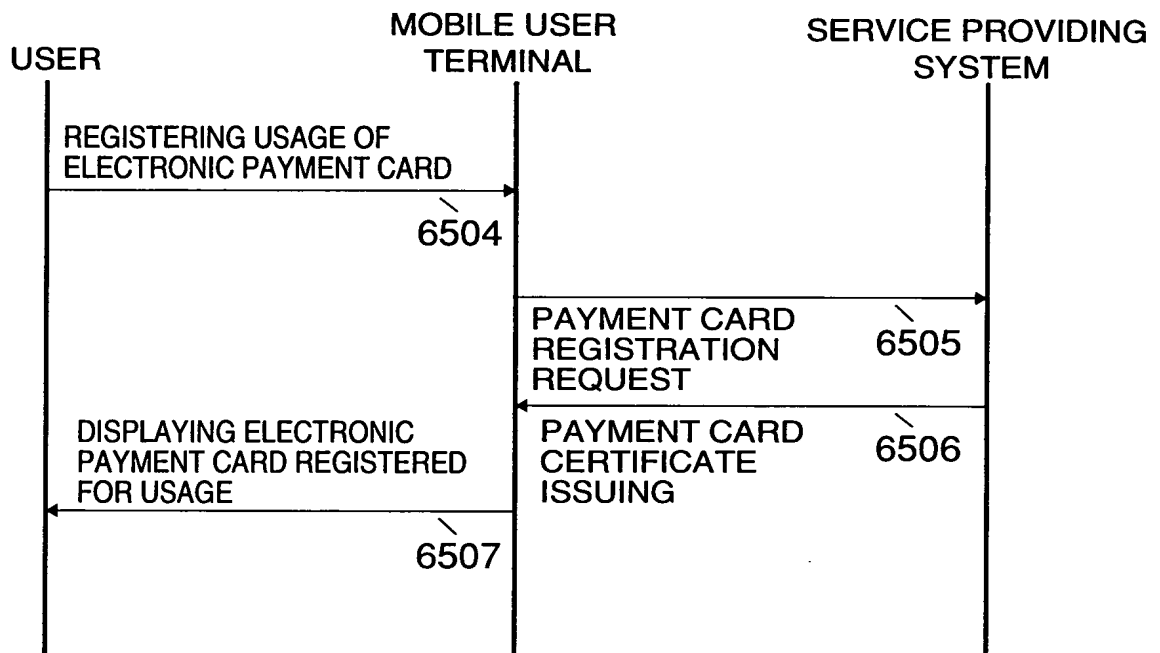
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FIG. 65A



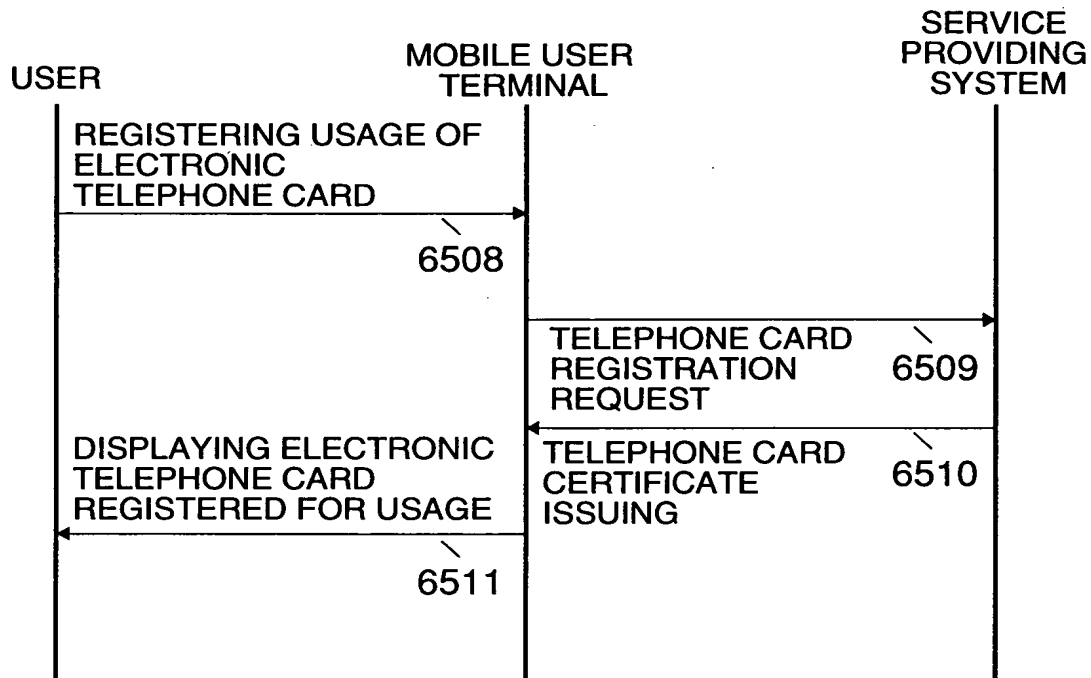
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FIG. 65B



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FIG. 65C



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FIG. 66

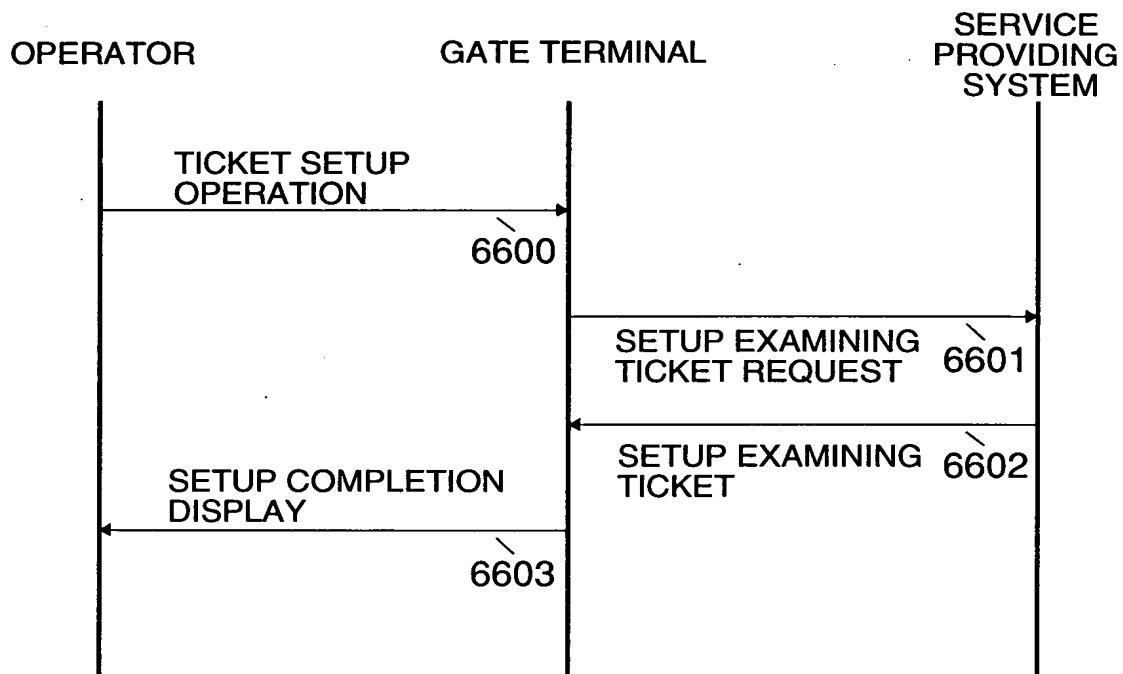


FIG. 67

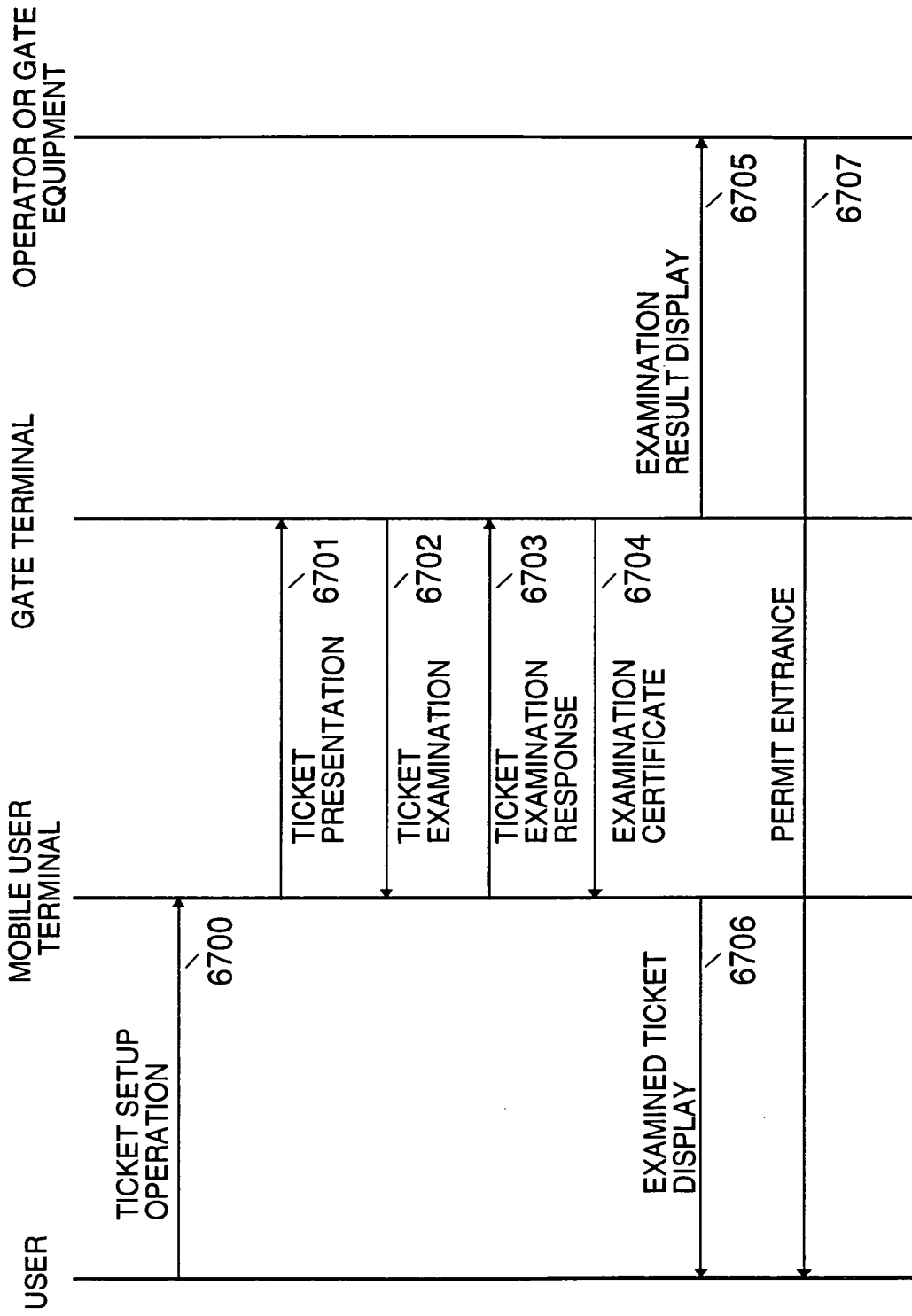
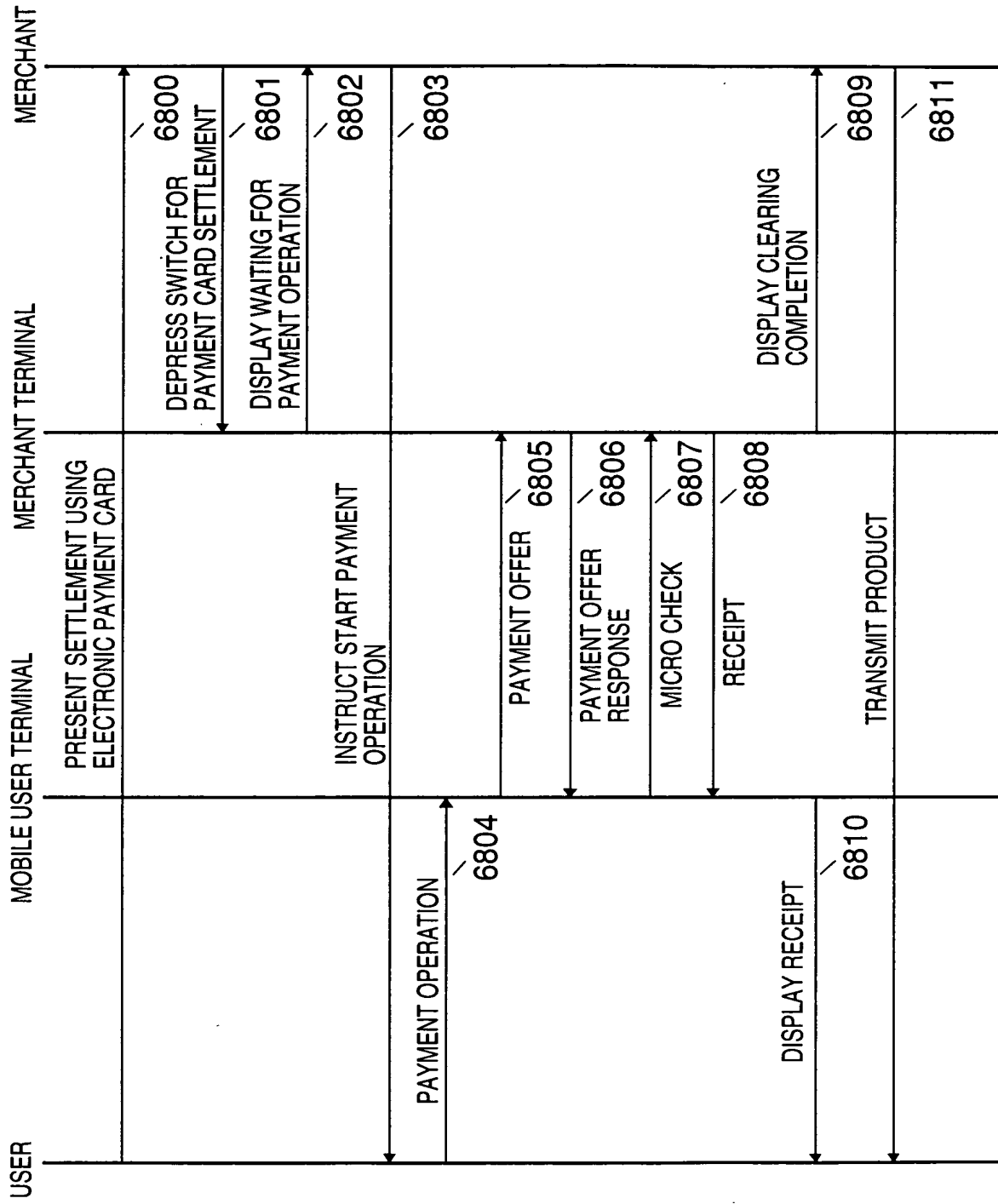


FIG. 68



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FIG. 69

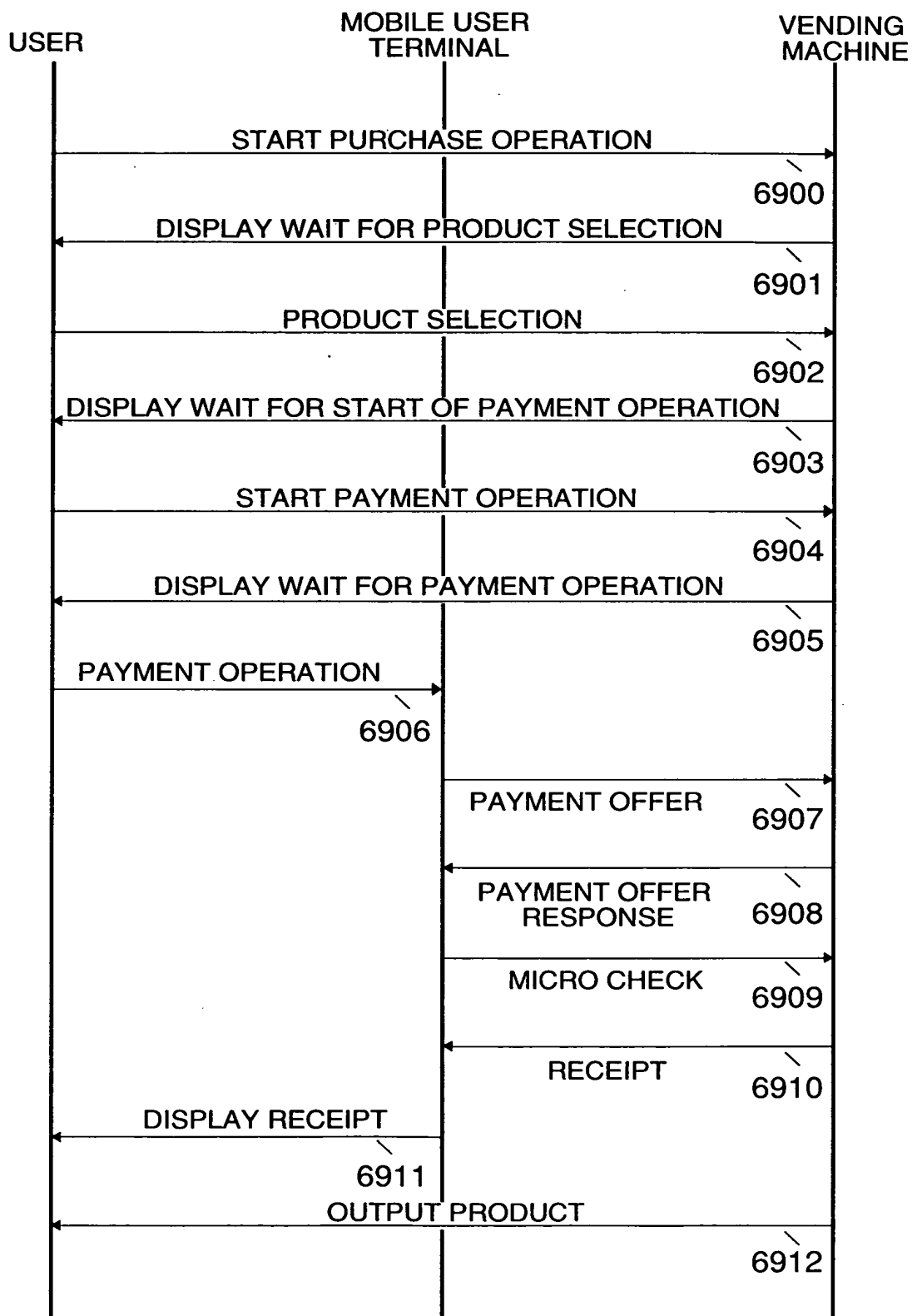
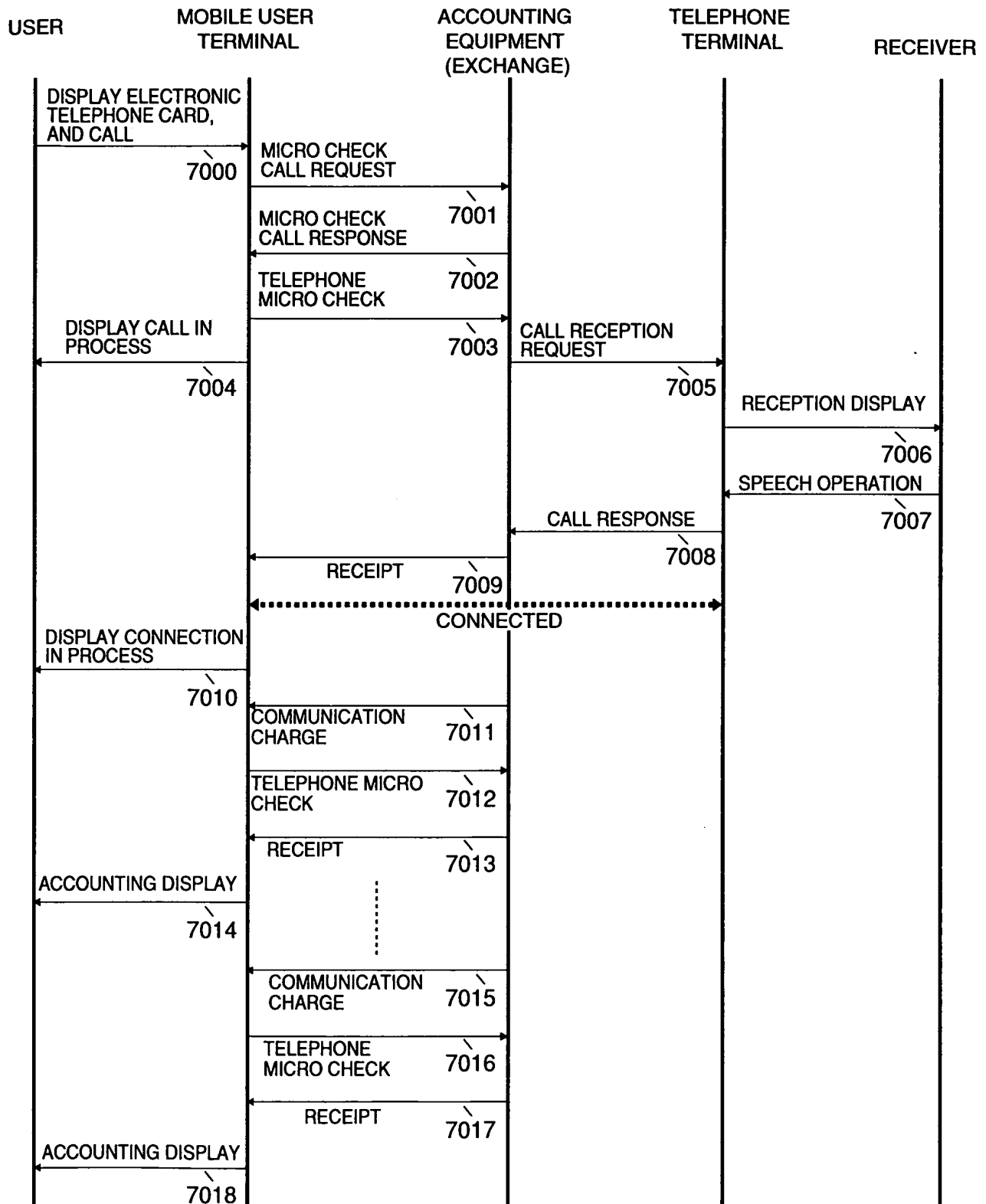


FIG. 70

[illegible]



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FIG. 71

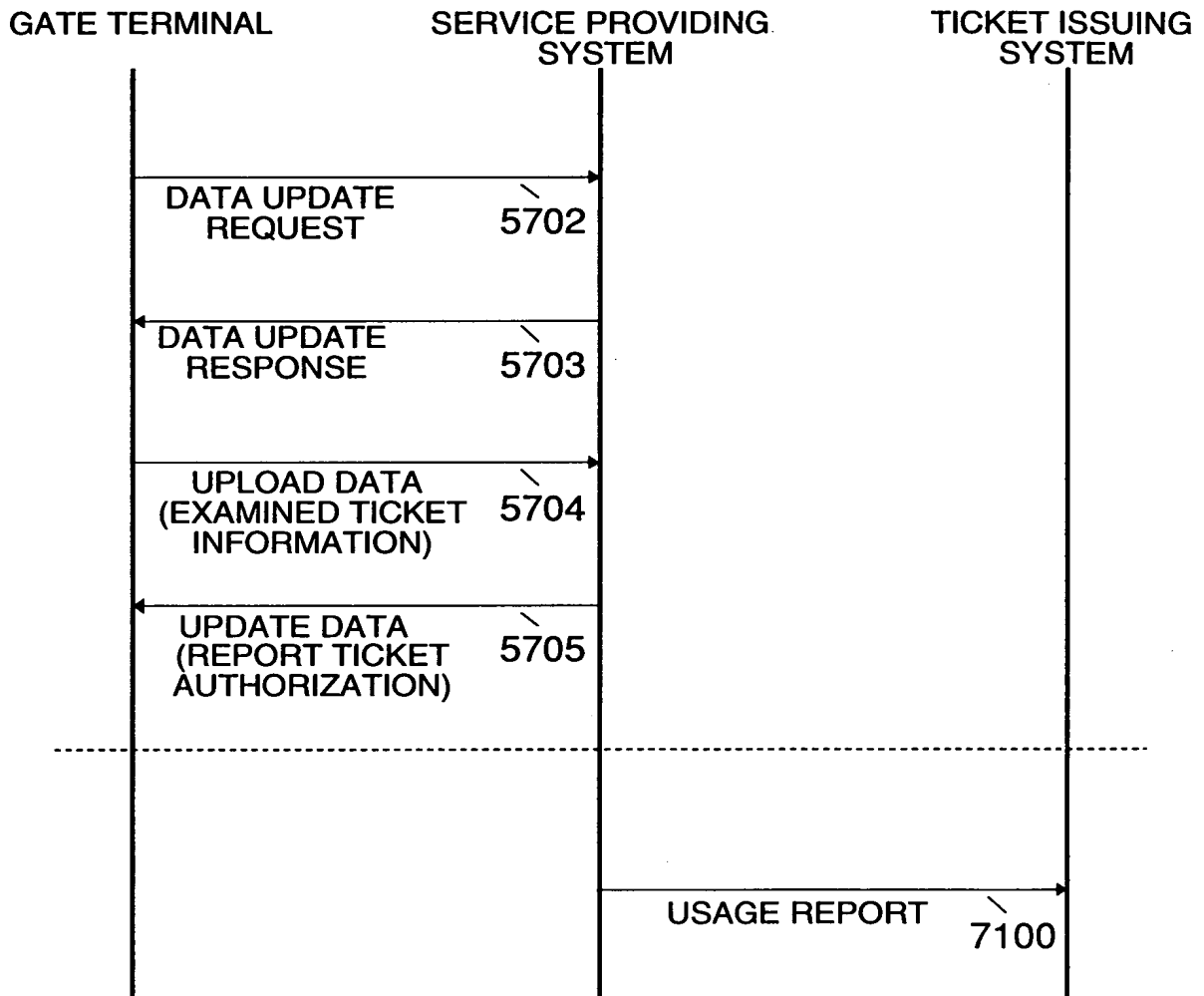


FIG. 72

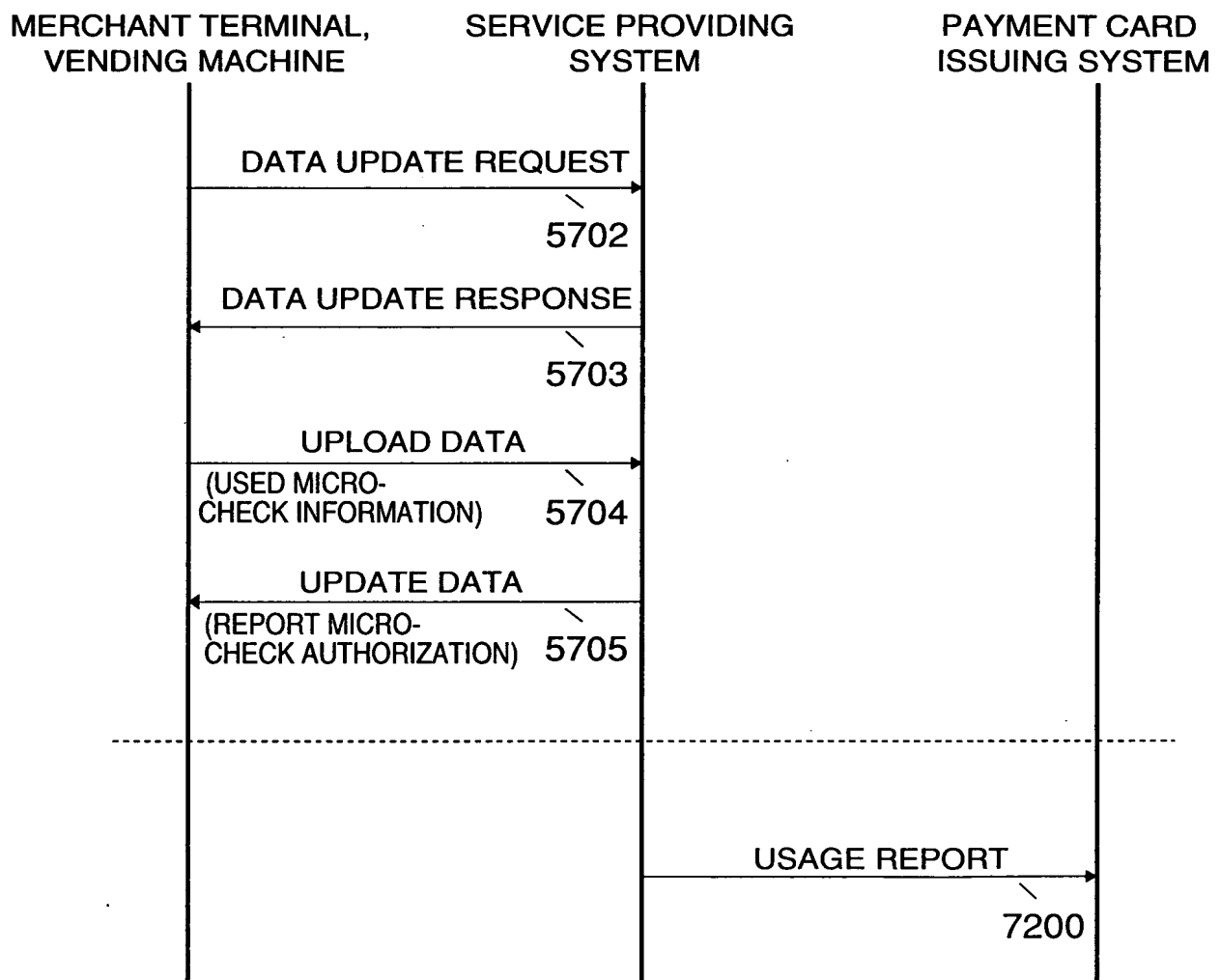


FIG. 73

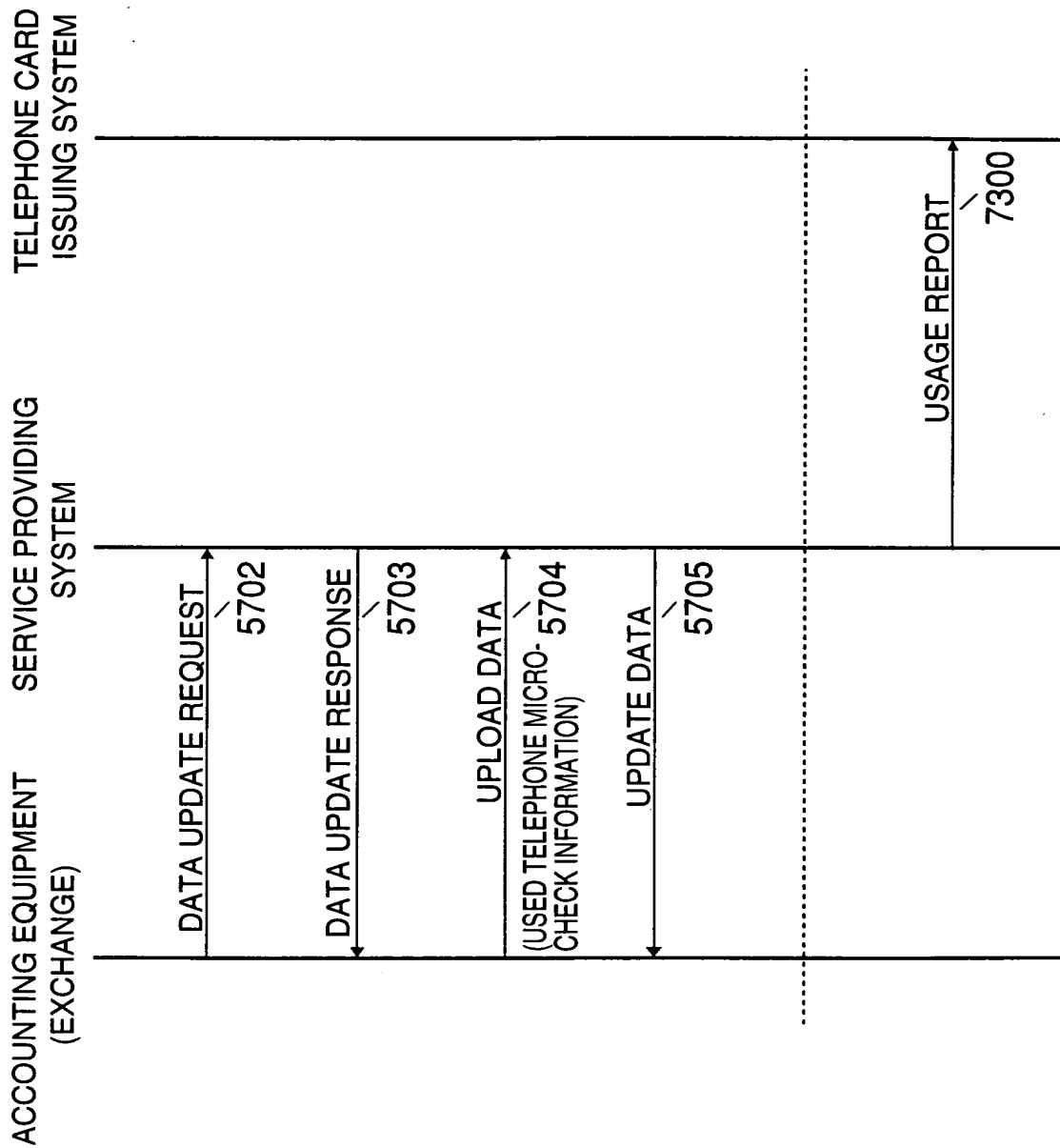
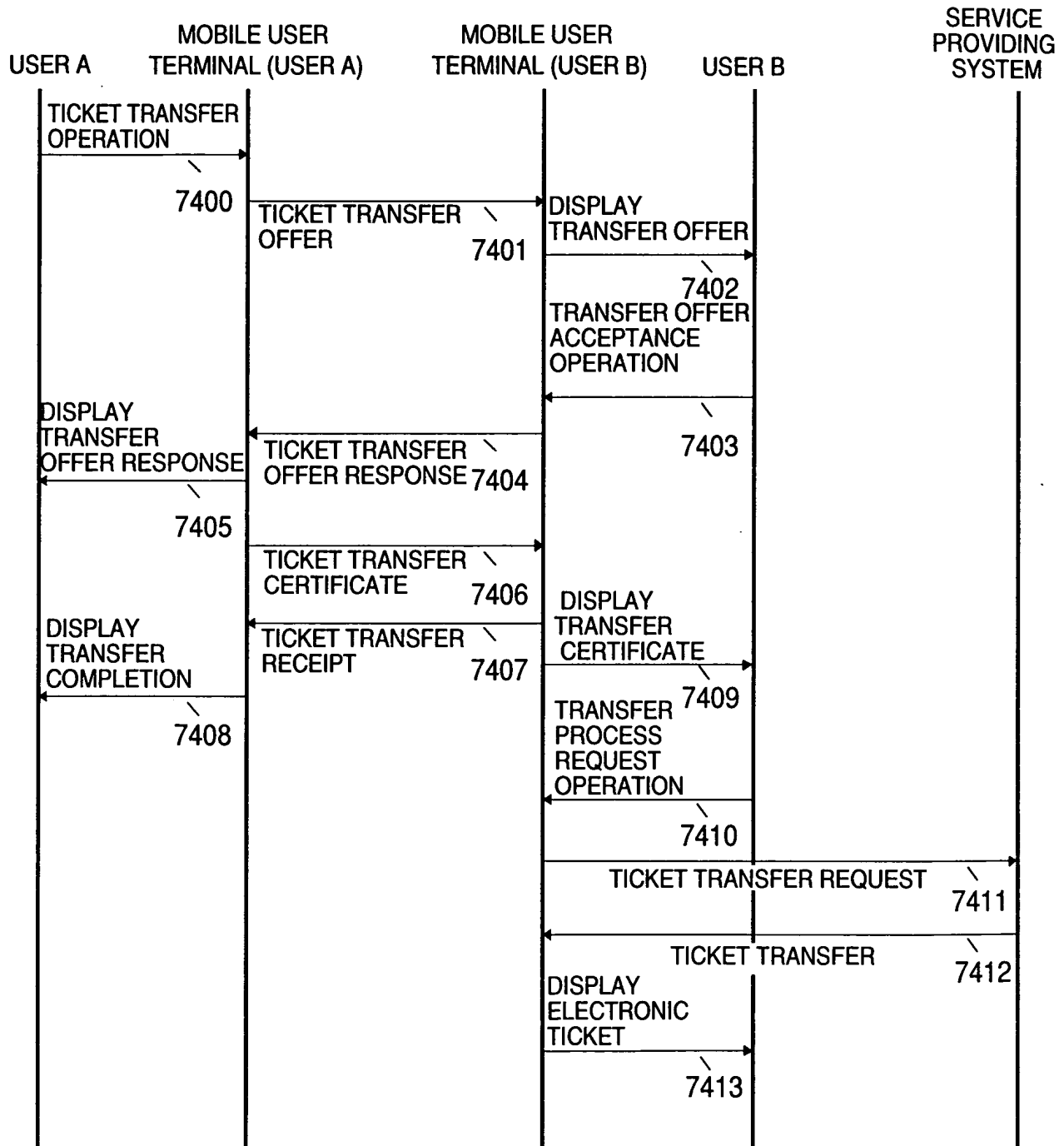
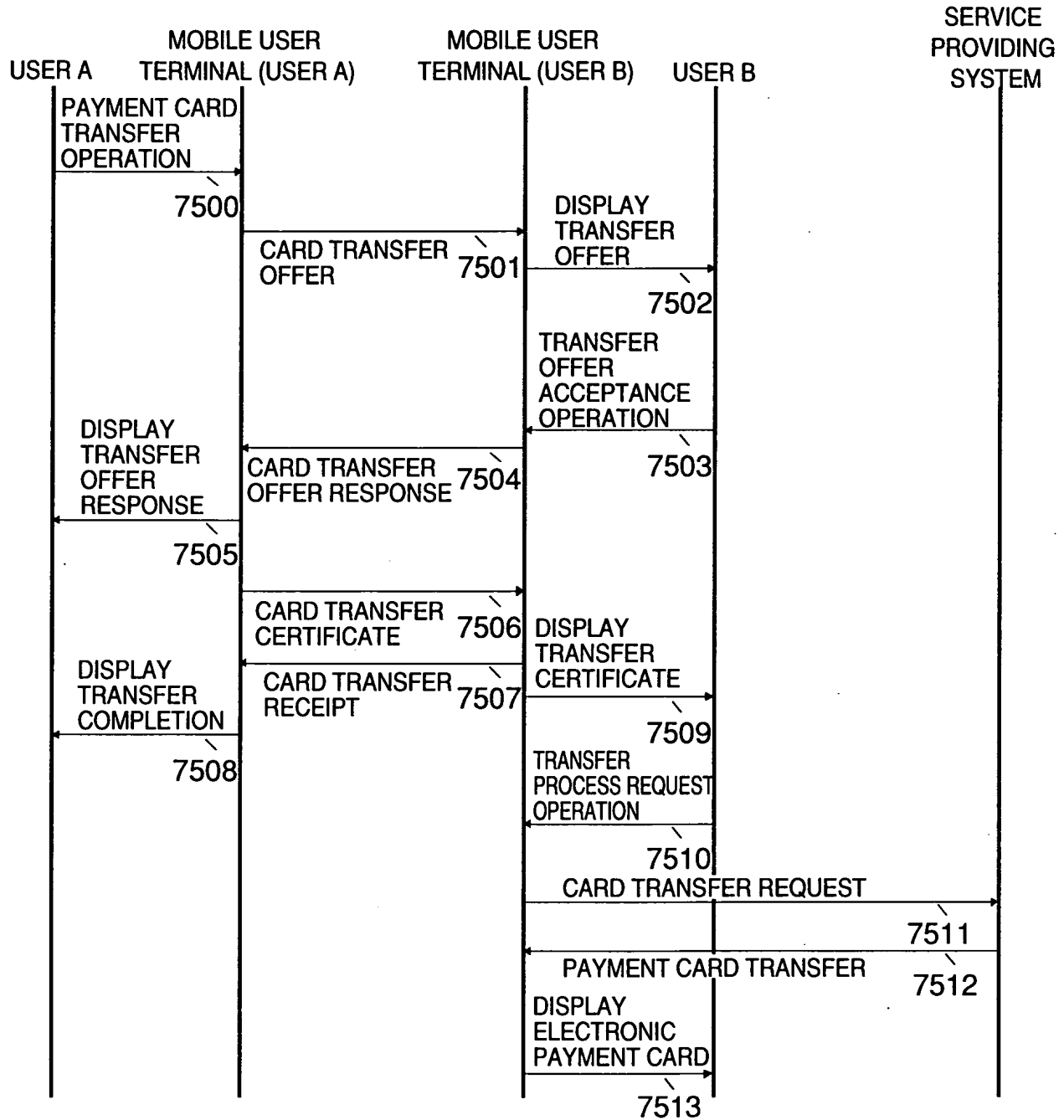


FIG. 74



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FIG. 75



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FIG. 76

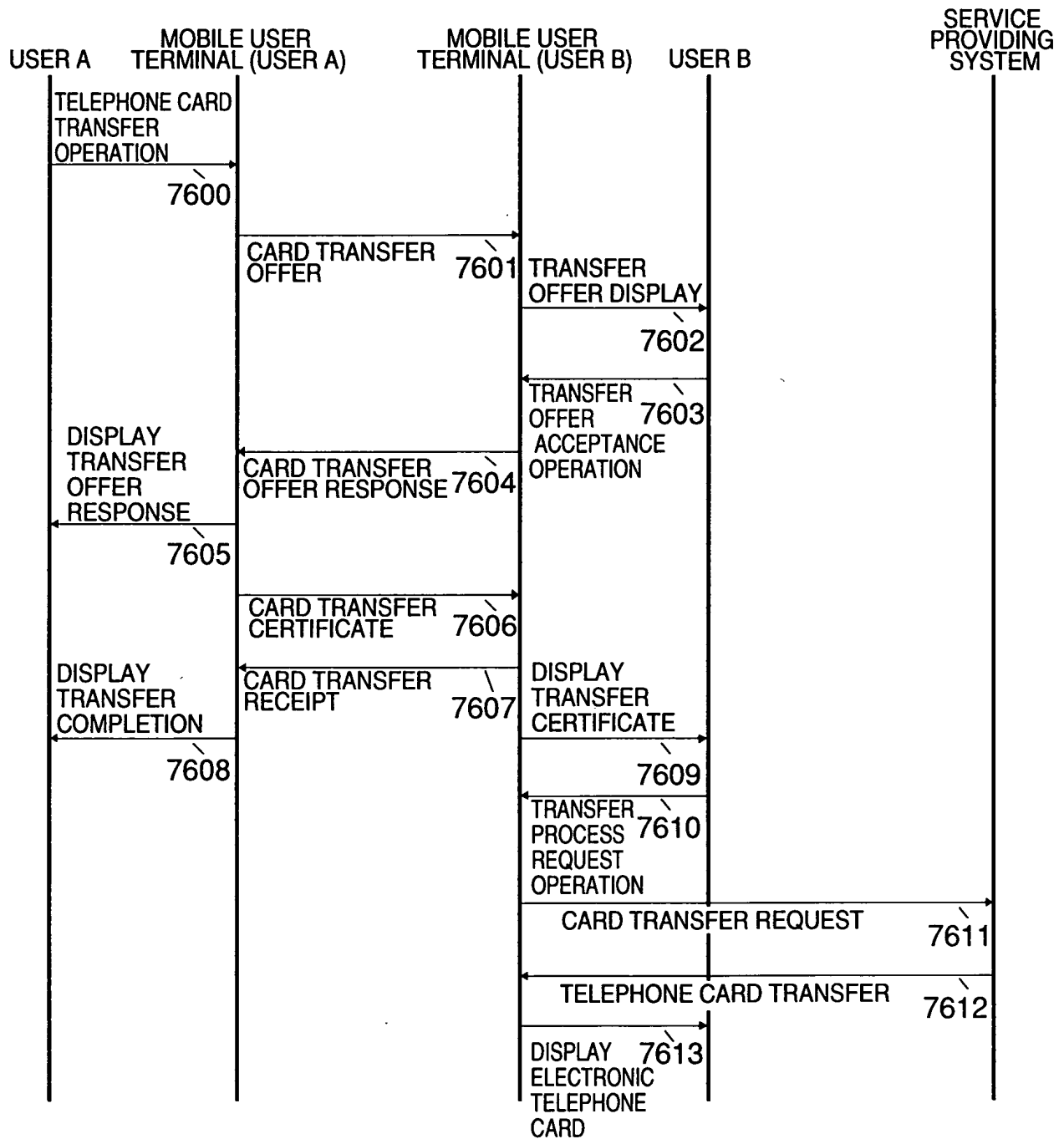
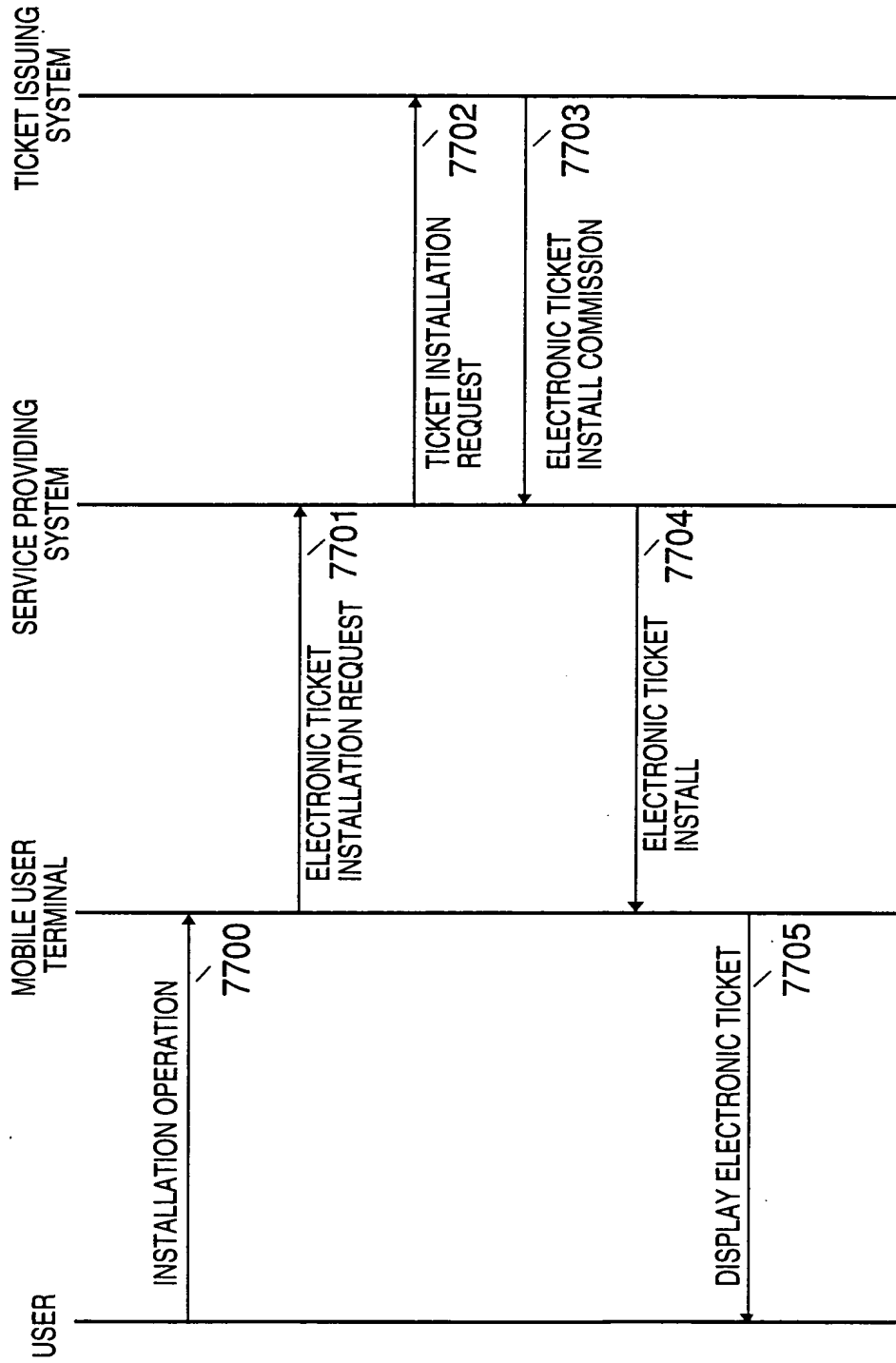


FIG. 77



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FIG. 78

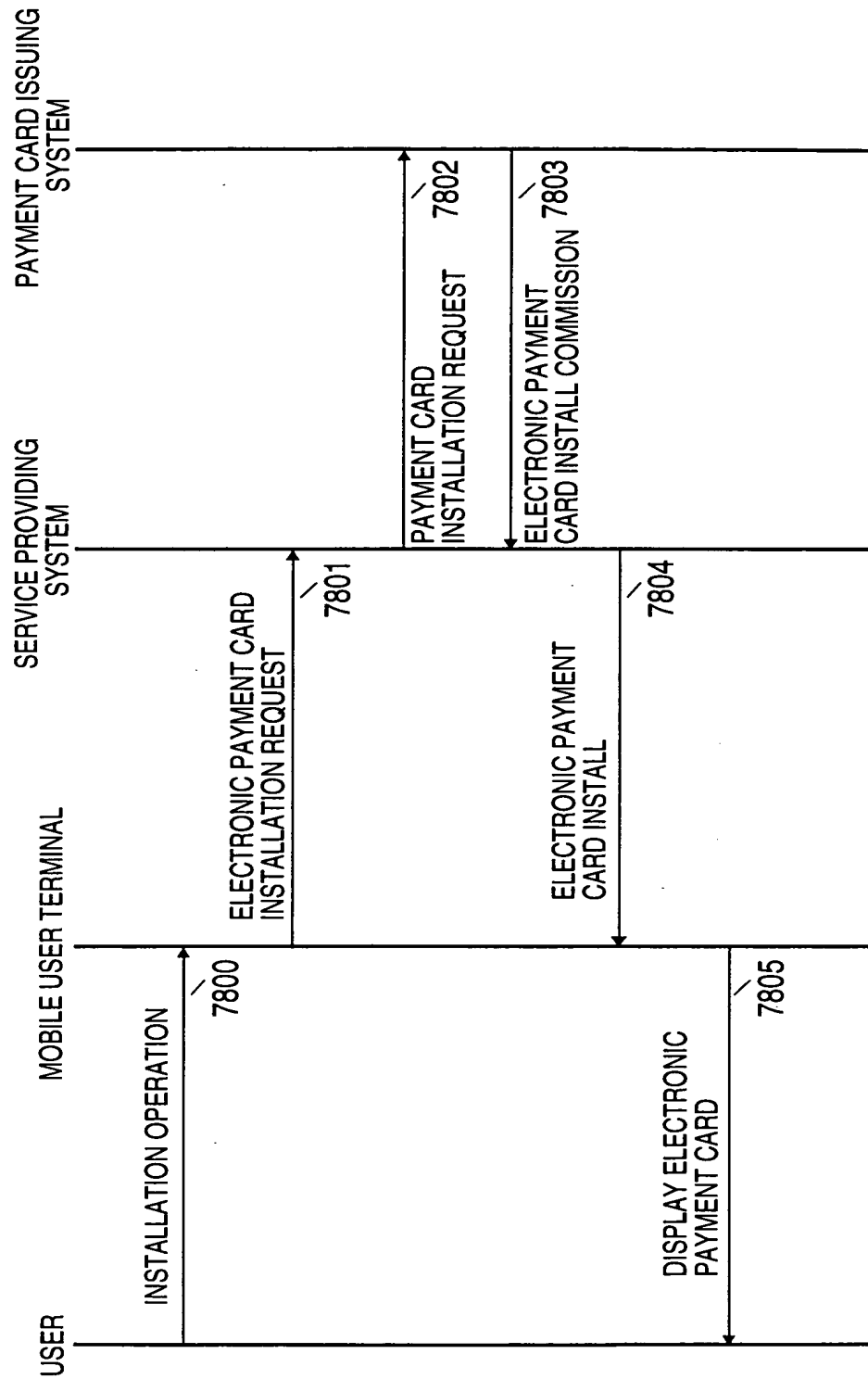




FIG. 79

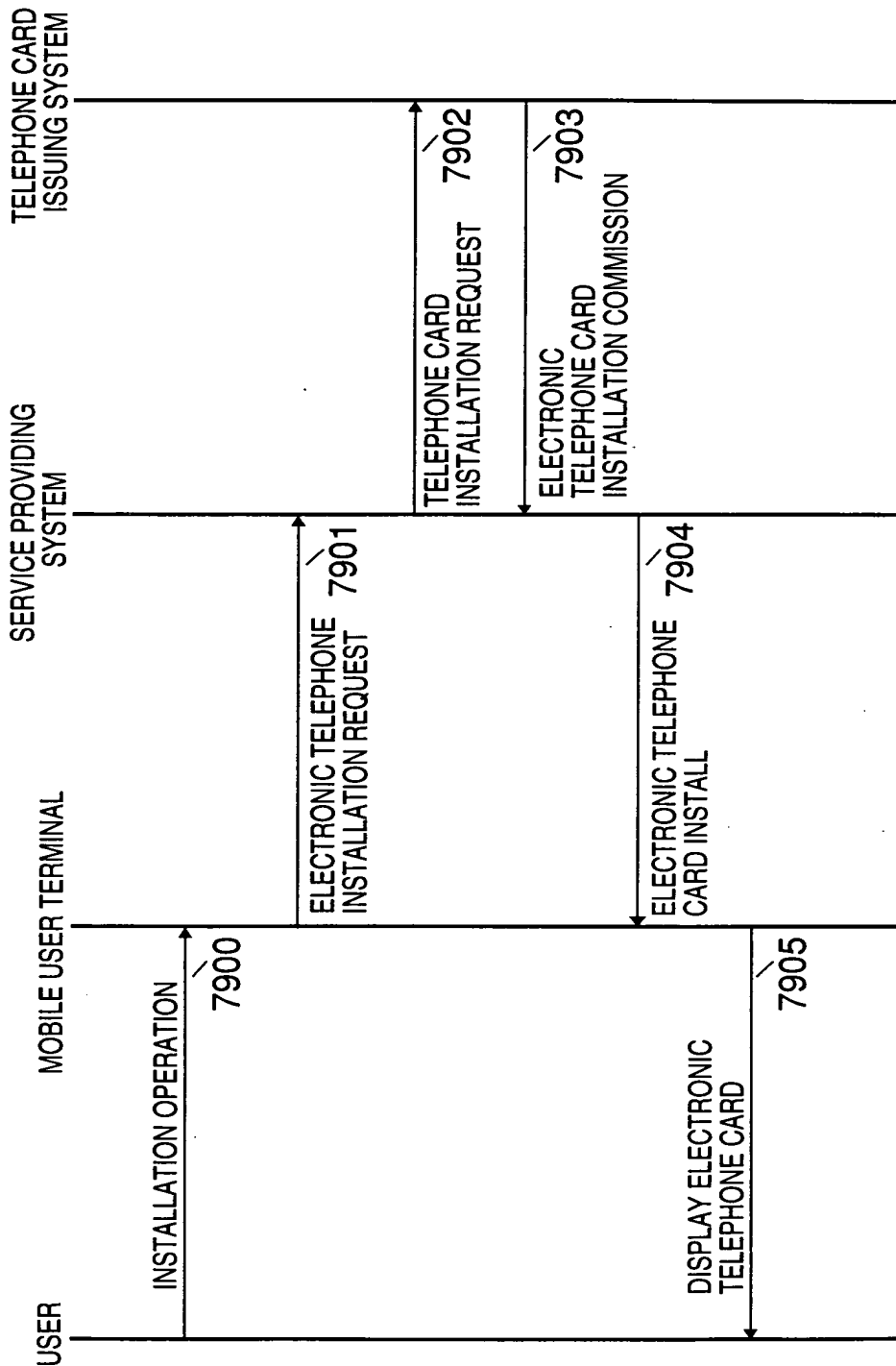
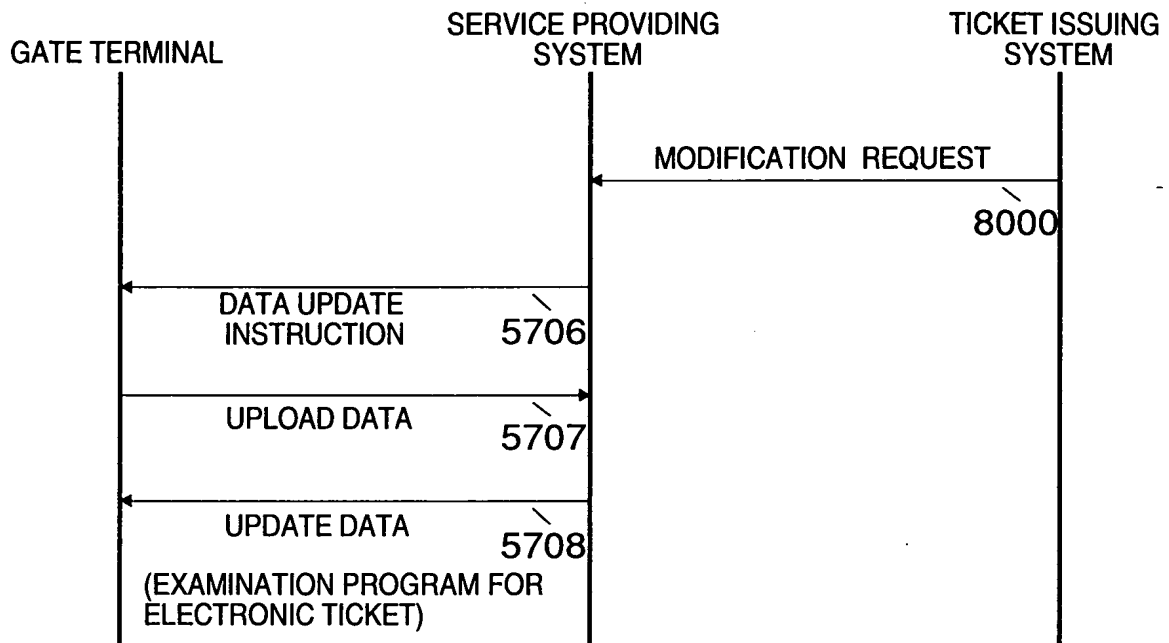
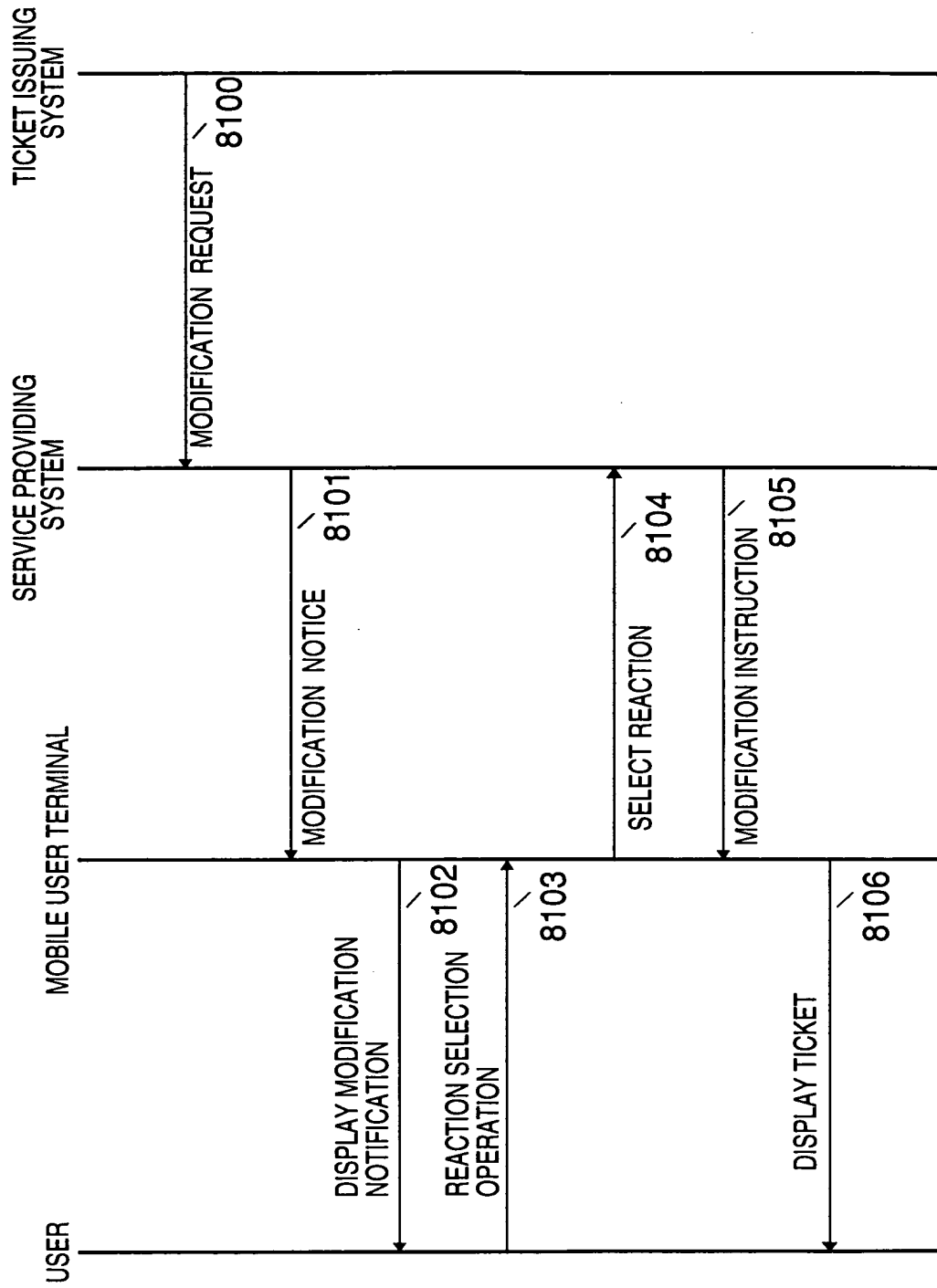


FIG. 80



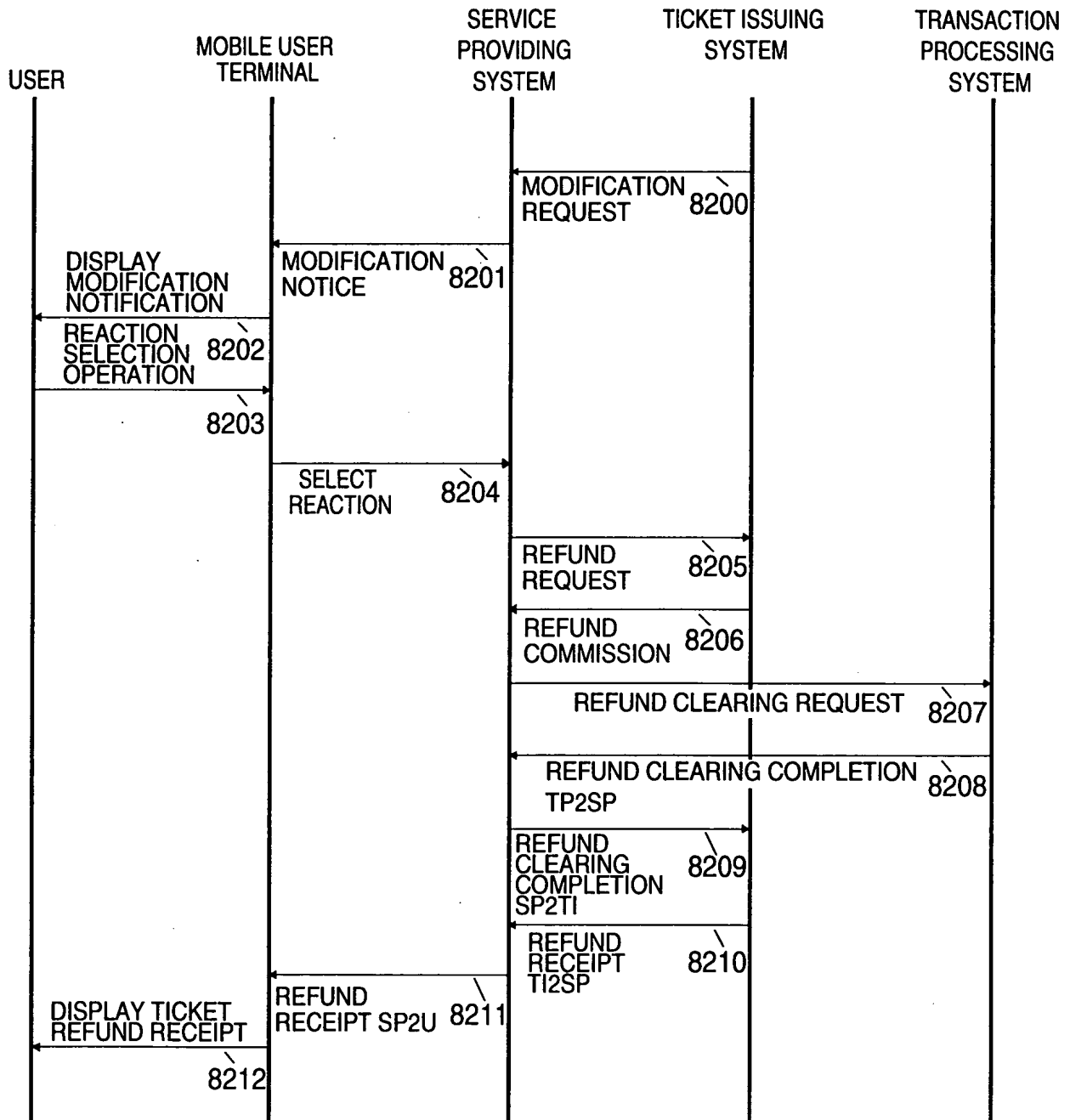
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FIG. 81



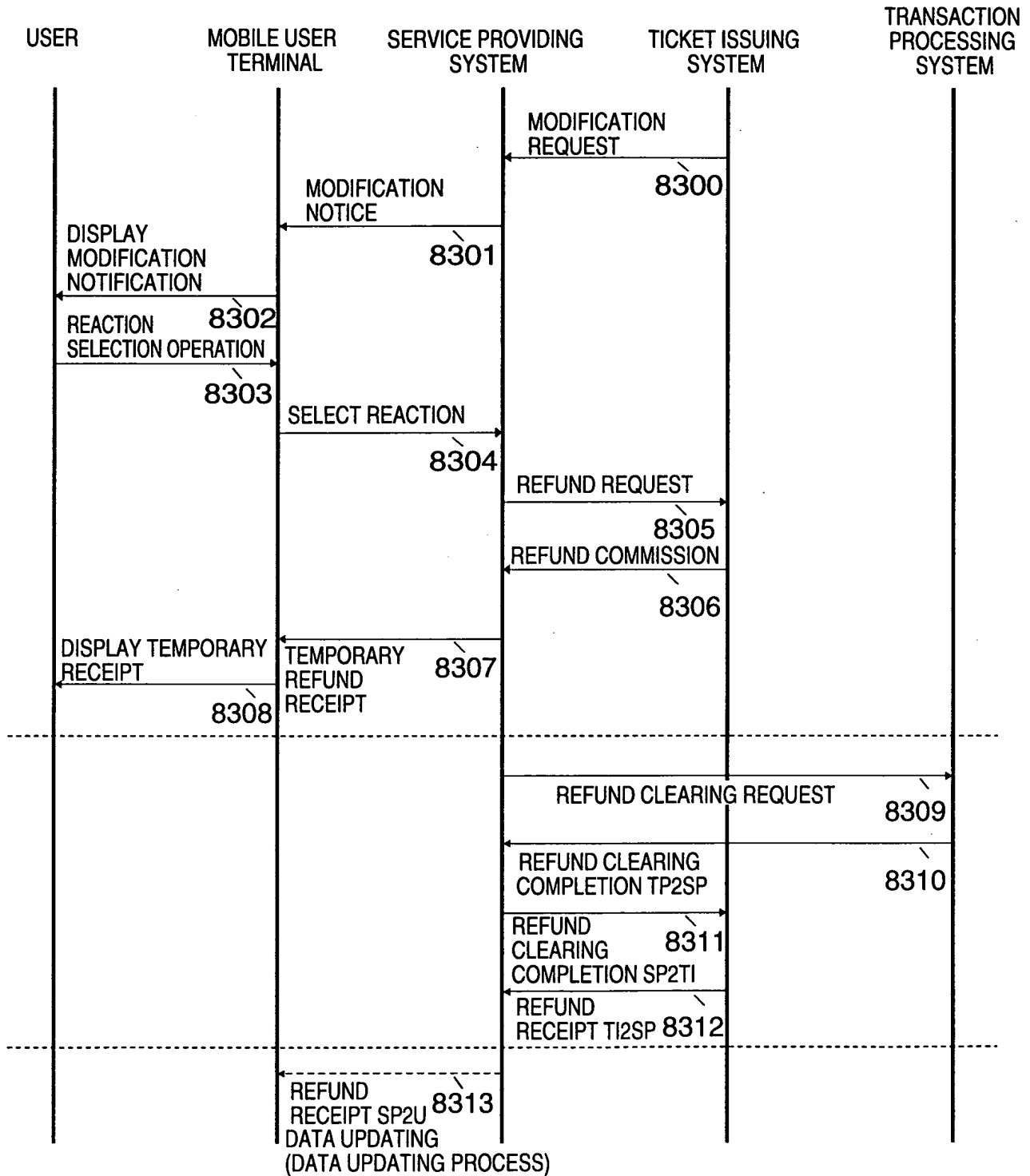
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FIG. 82



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FIG. 83



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FIG. 84

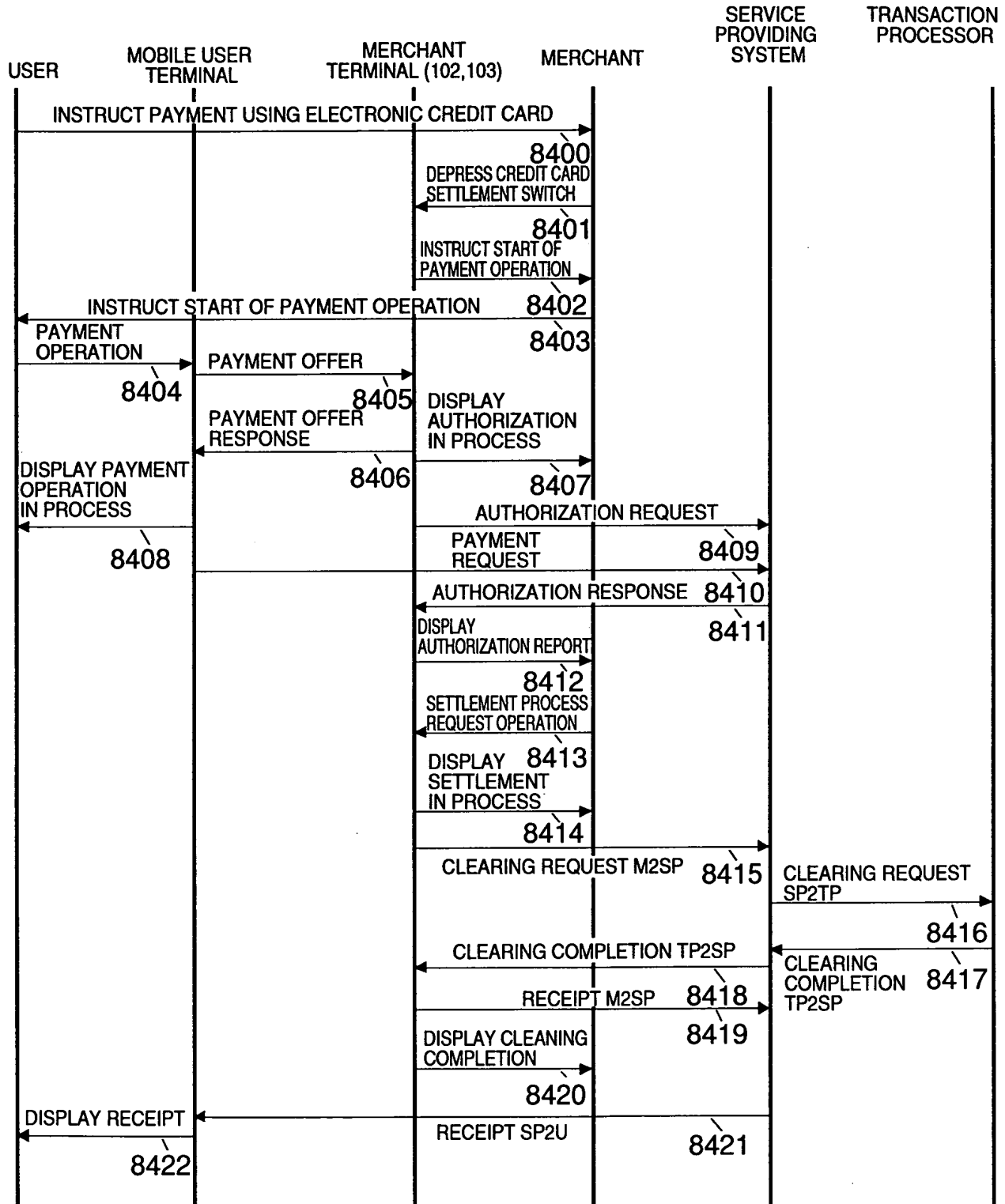


FIG.85A

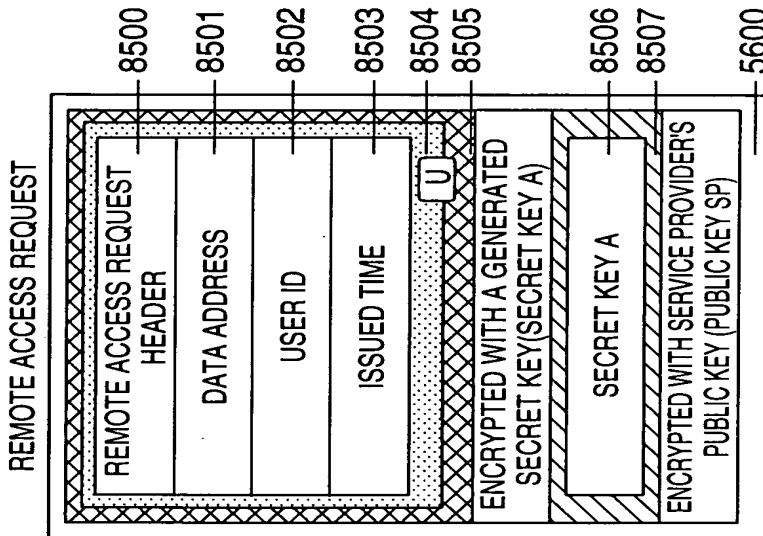


FIG.85B

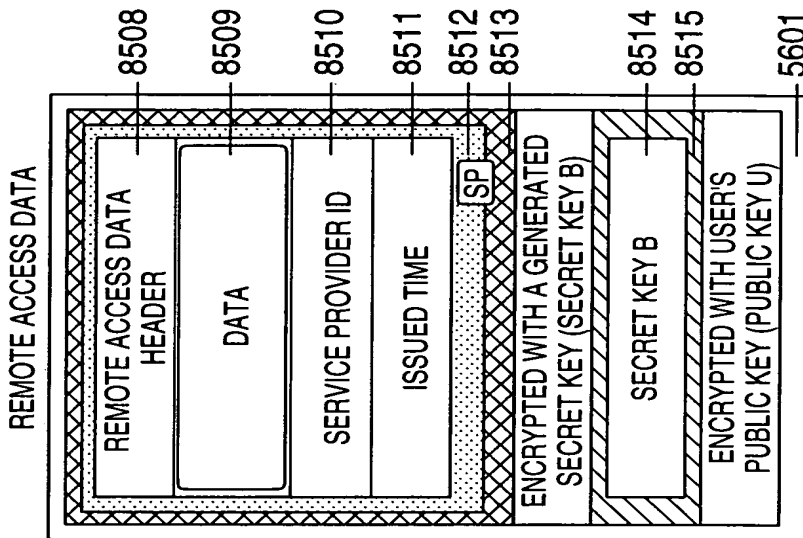


FIG. 86A

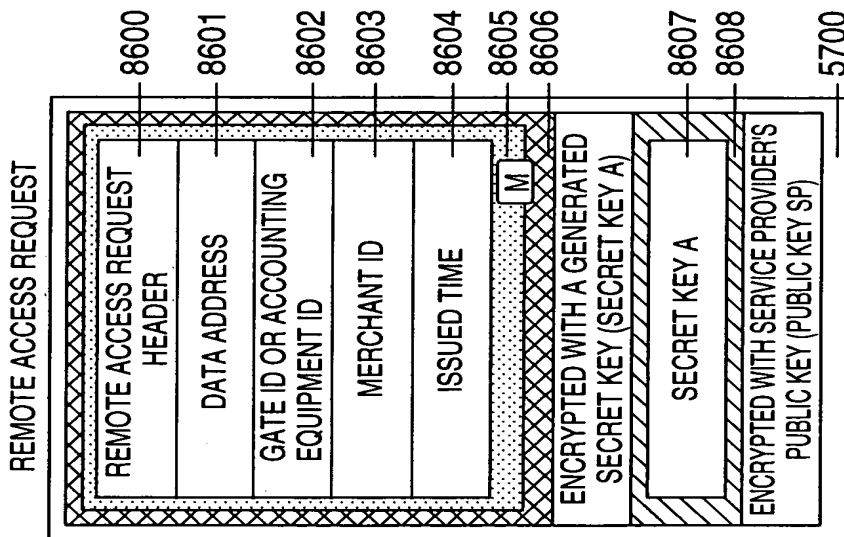


FIG. 86B

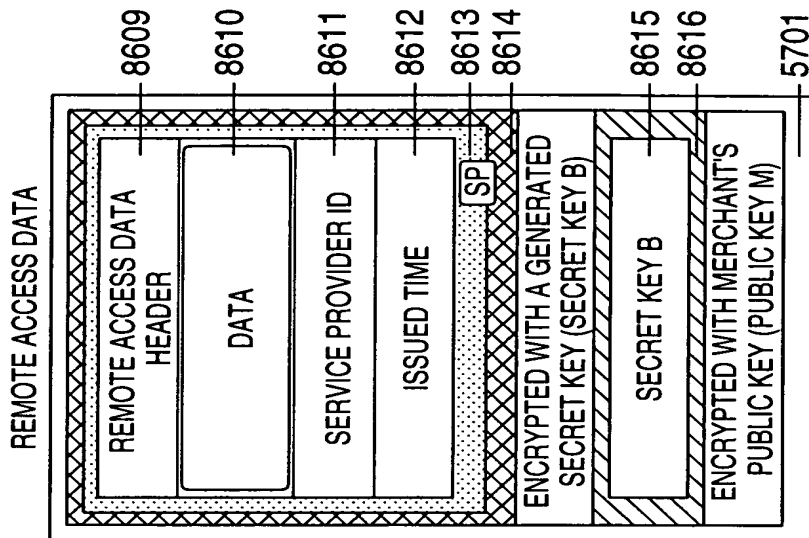




FIG.87A

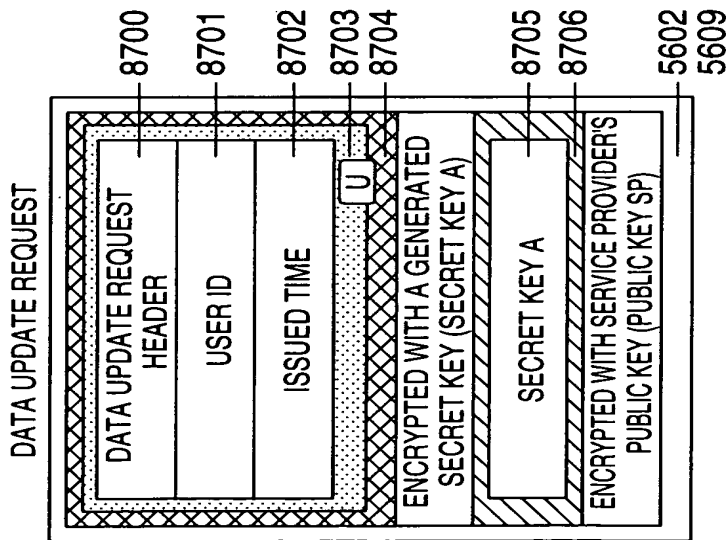


FIG.87B

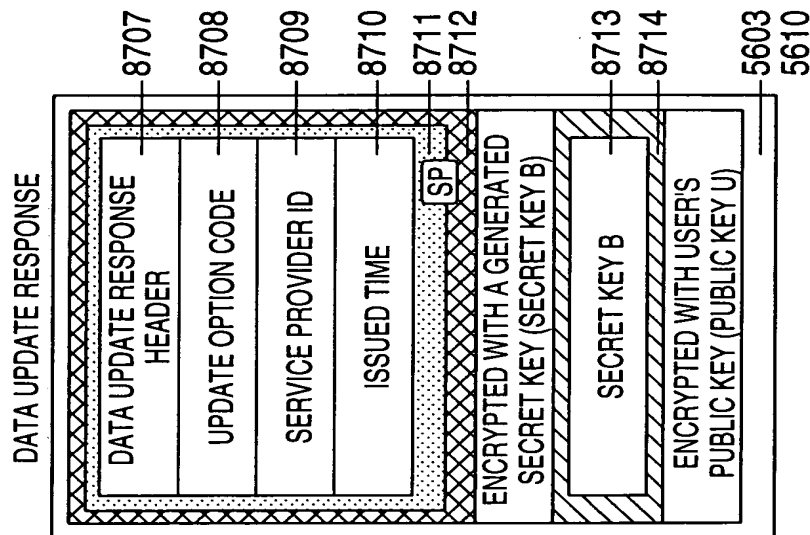


FIG.87C

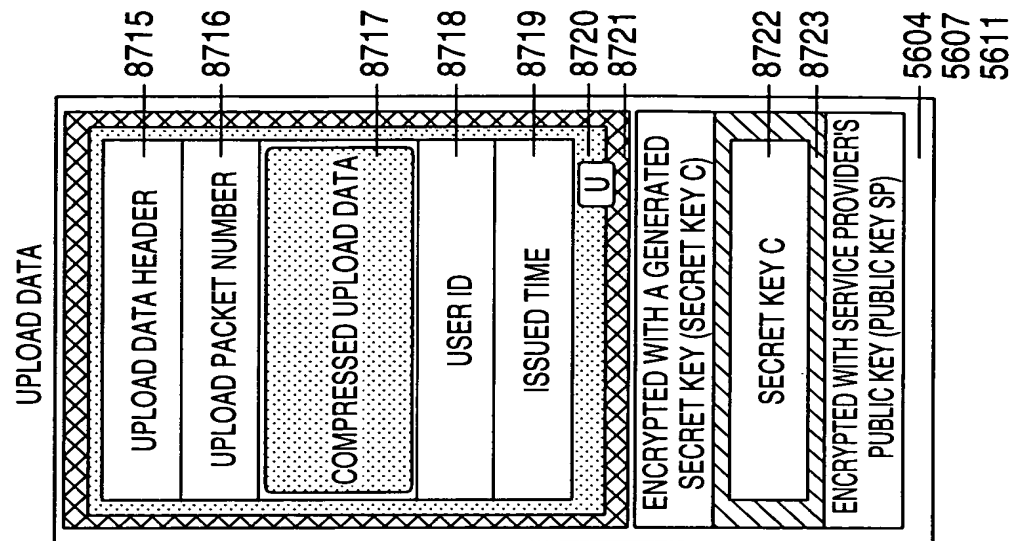


FIG.87D

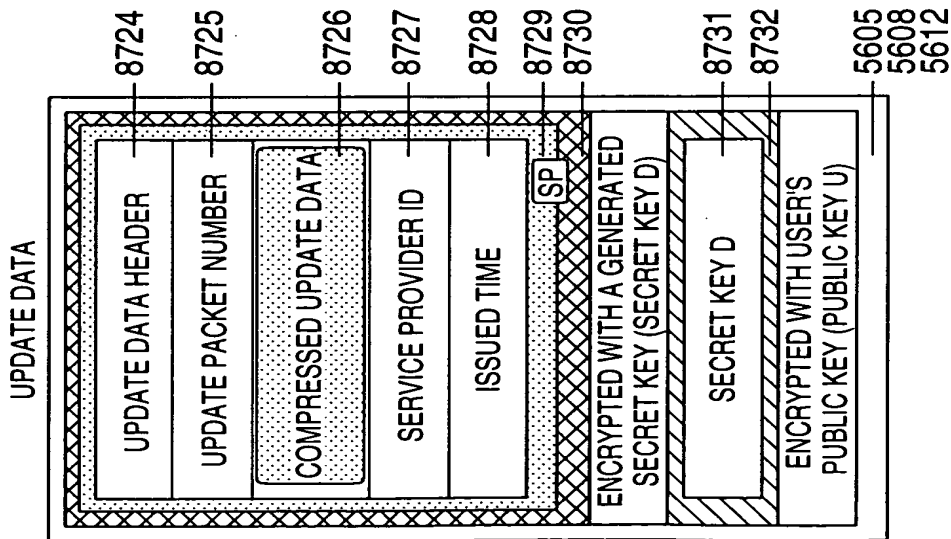


FIG.87E

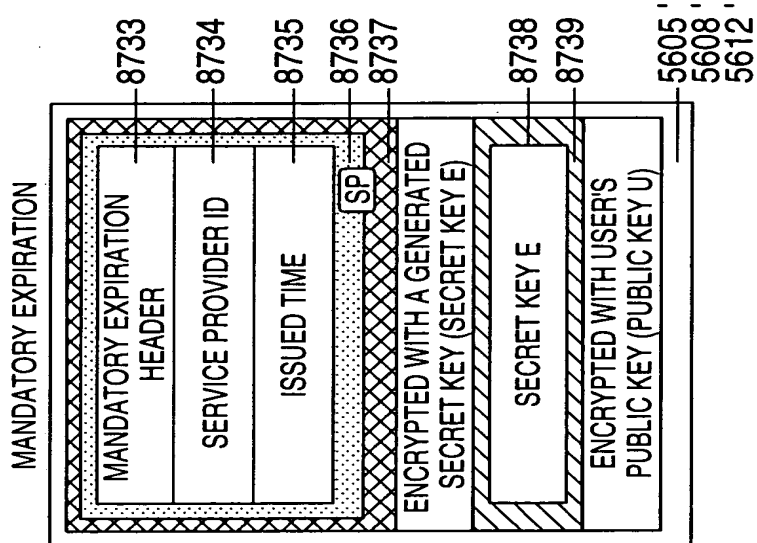


FIG.87F

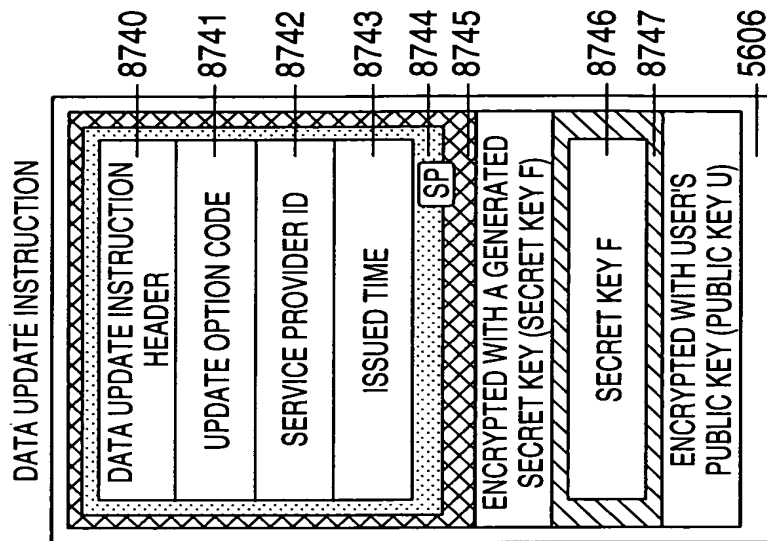


FIG. 88A

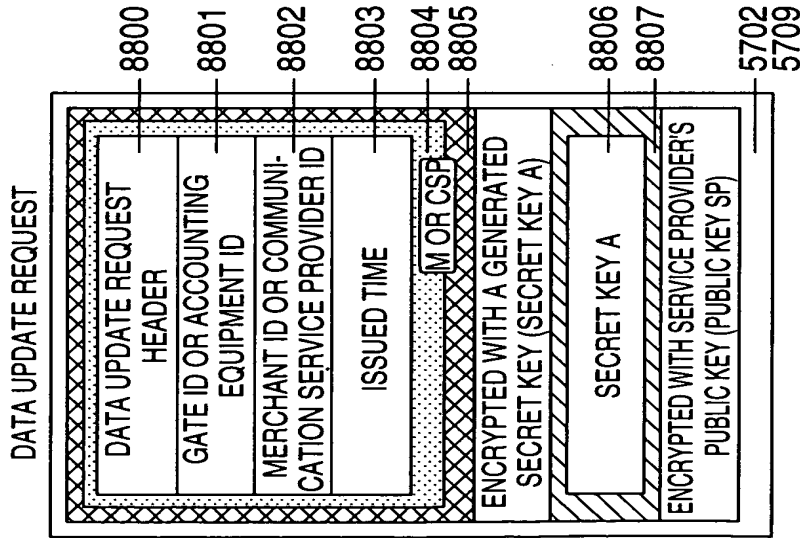


FIG. 88B

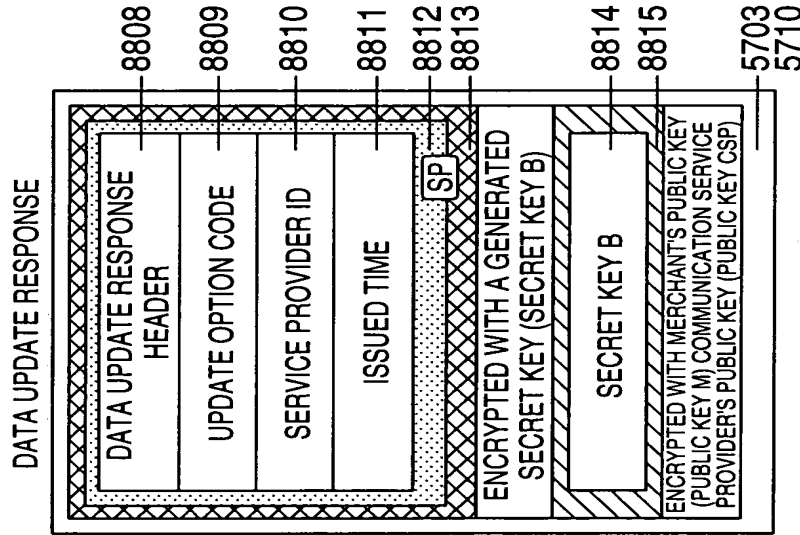


FIG. 88C

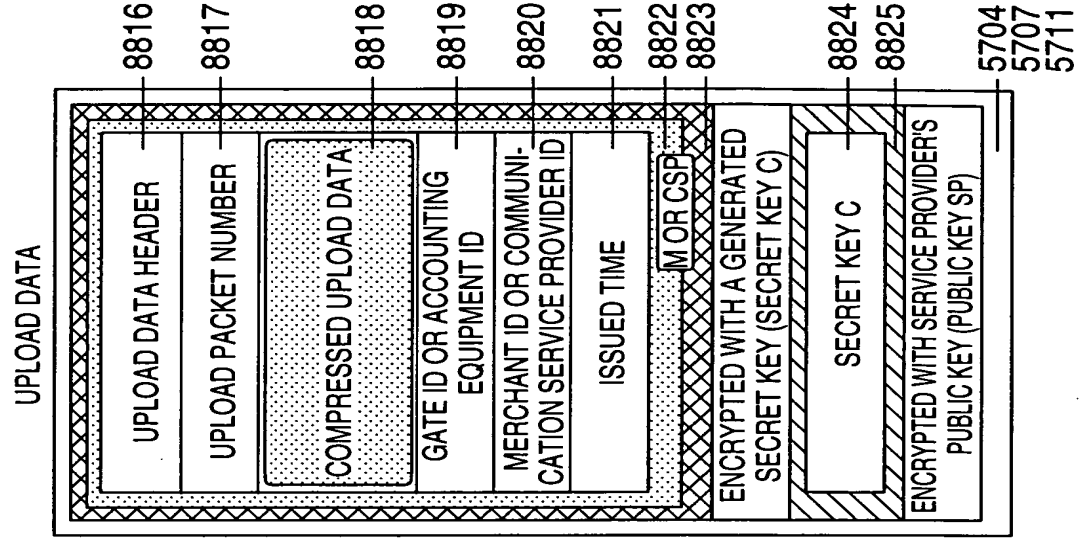


FIG. 88D

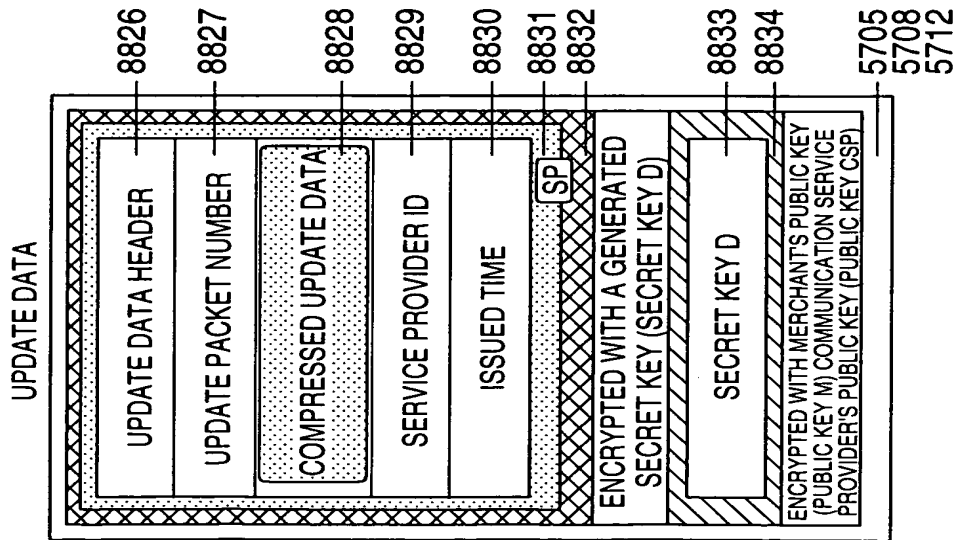


FIG. 88E

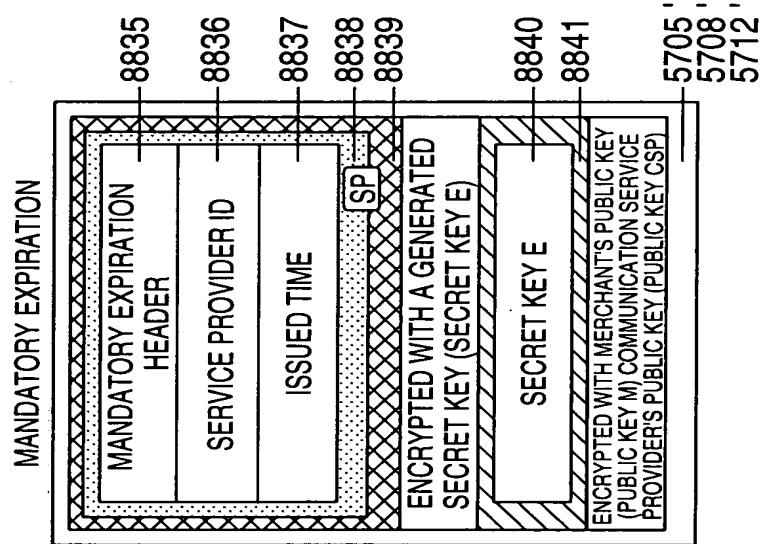


FIG. 88F

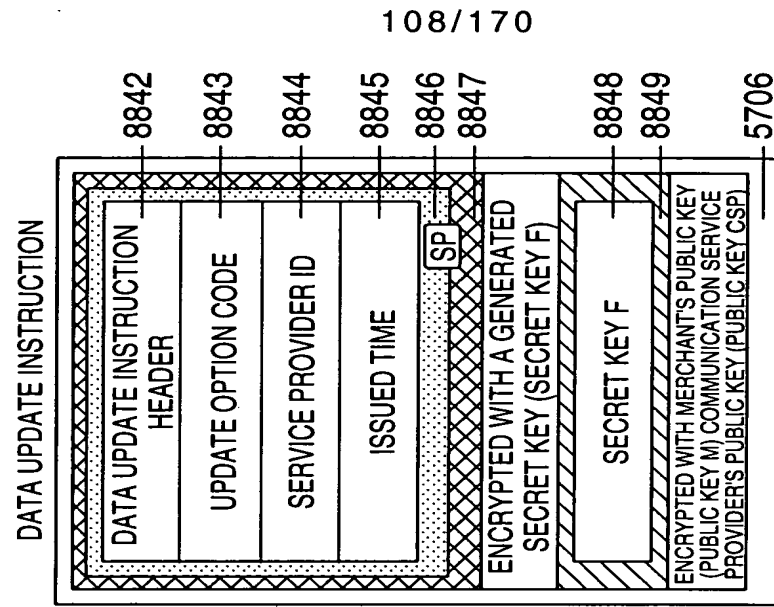


FIG.89A

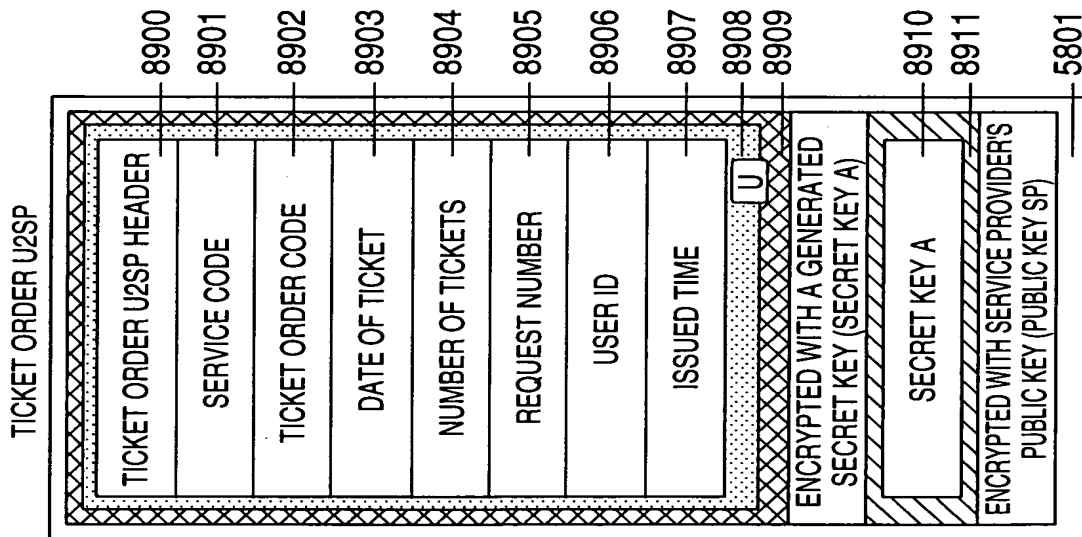


FIG.89B

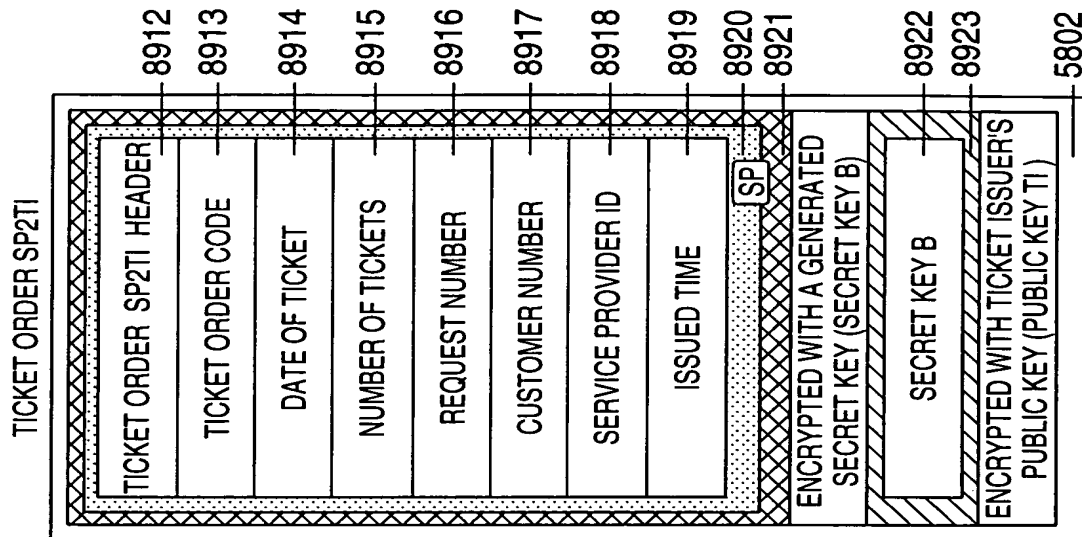


FIG. 90A

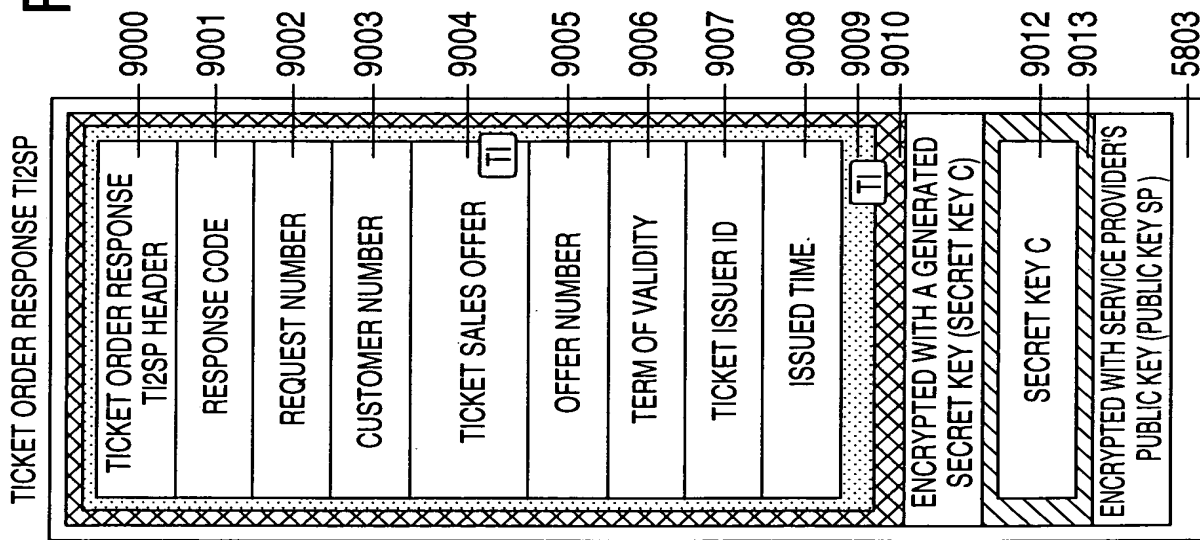
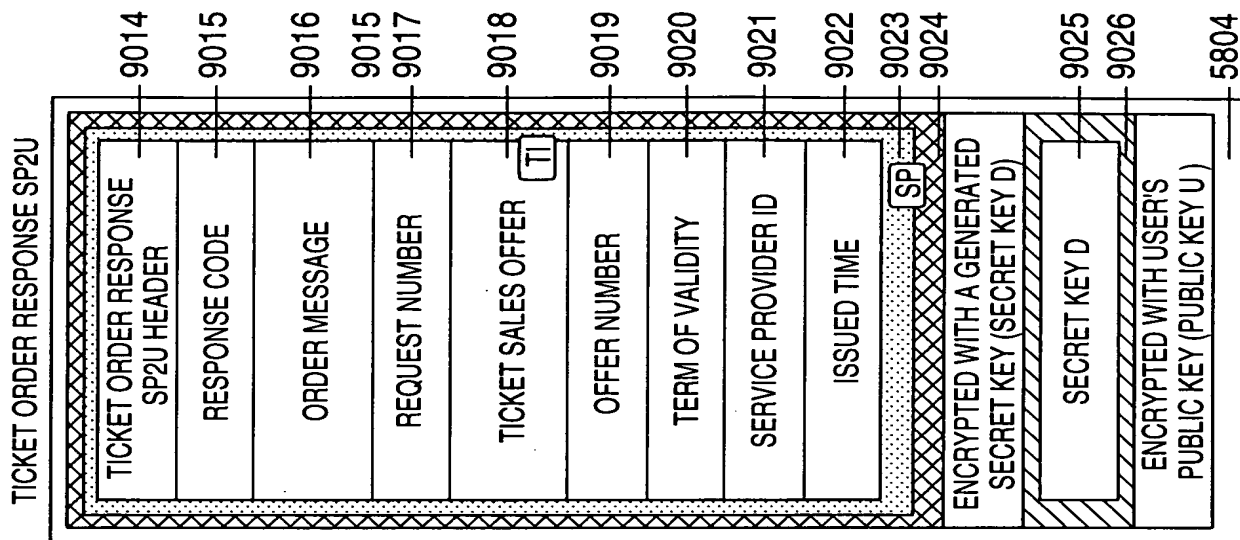


FIG. 90B



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FIG.91A

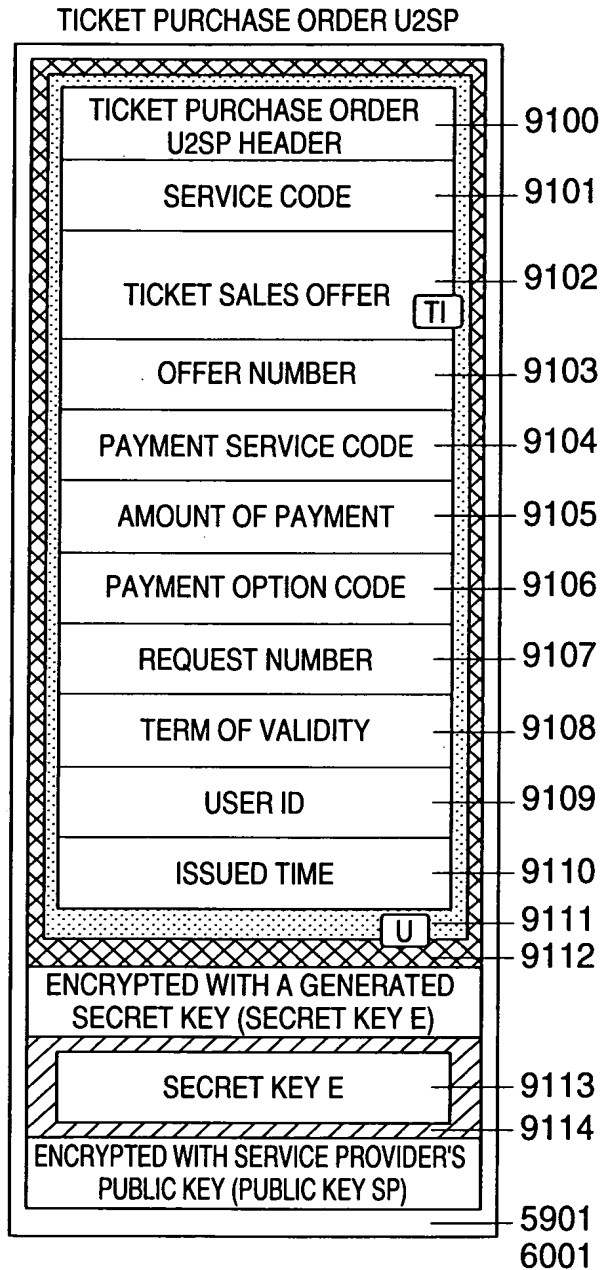


FIG.91B

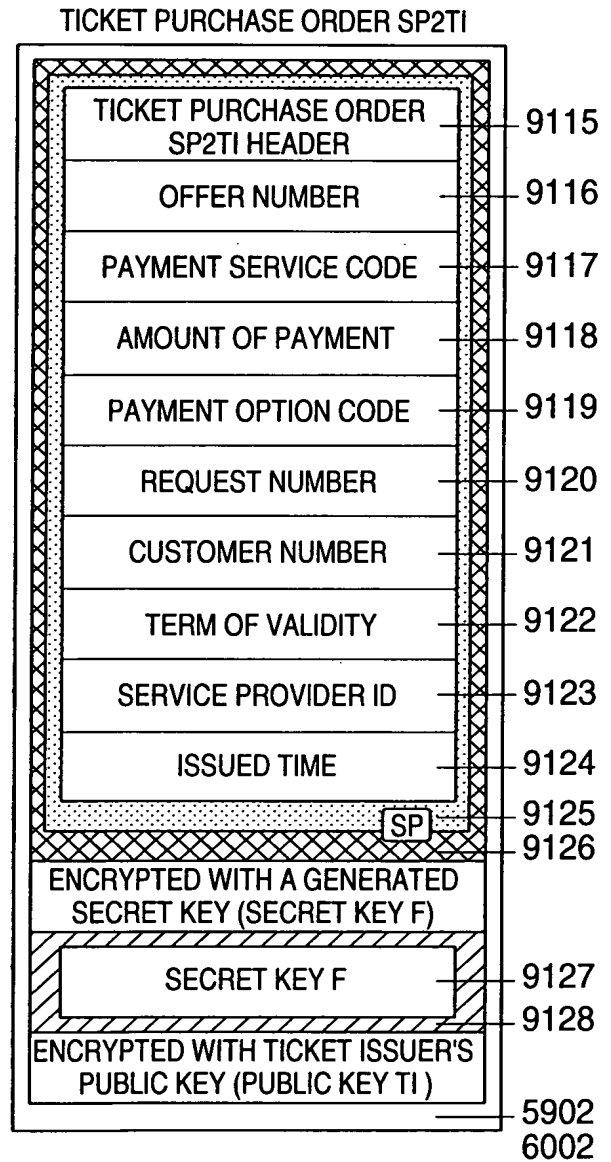


FIG.92A

## ELECTRONIC TICKET ISSUING COMMISSION

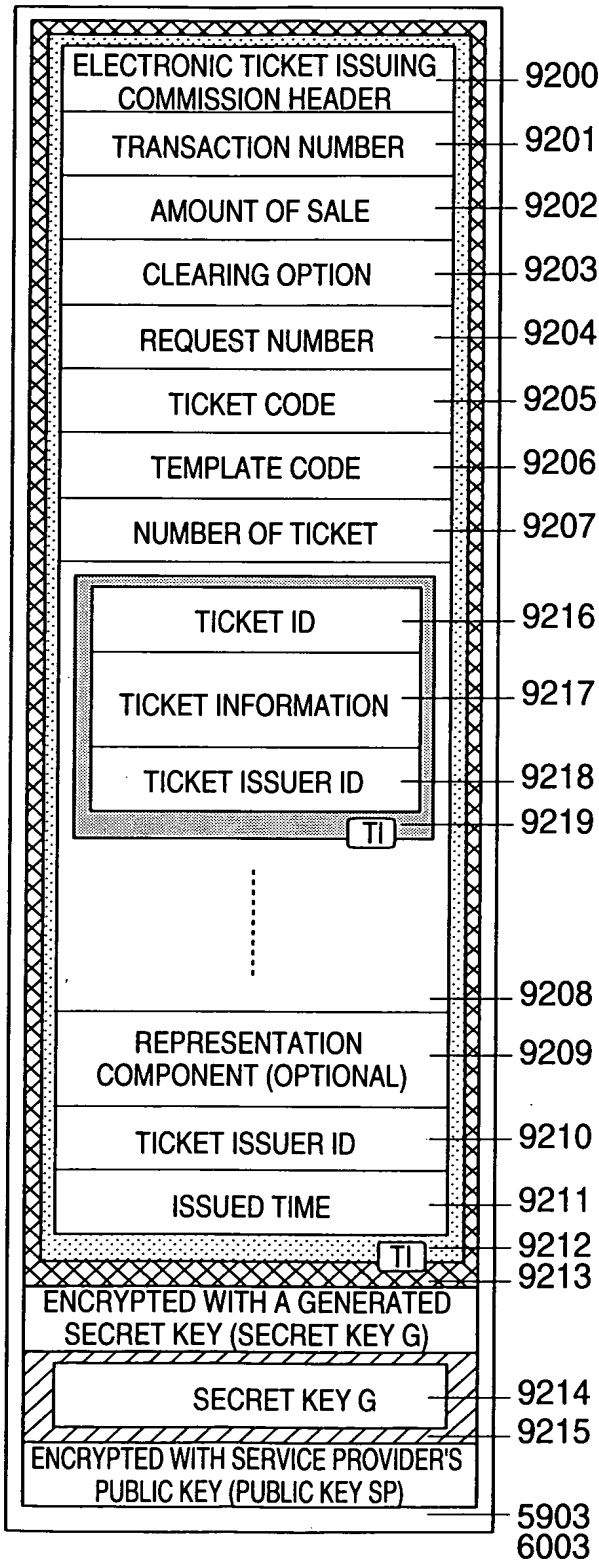


FIG.92B

## ELECTRONIC TICKET ISSUING

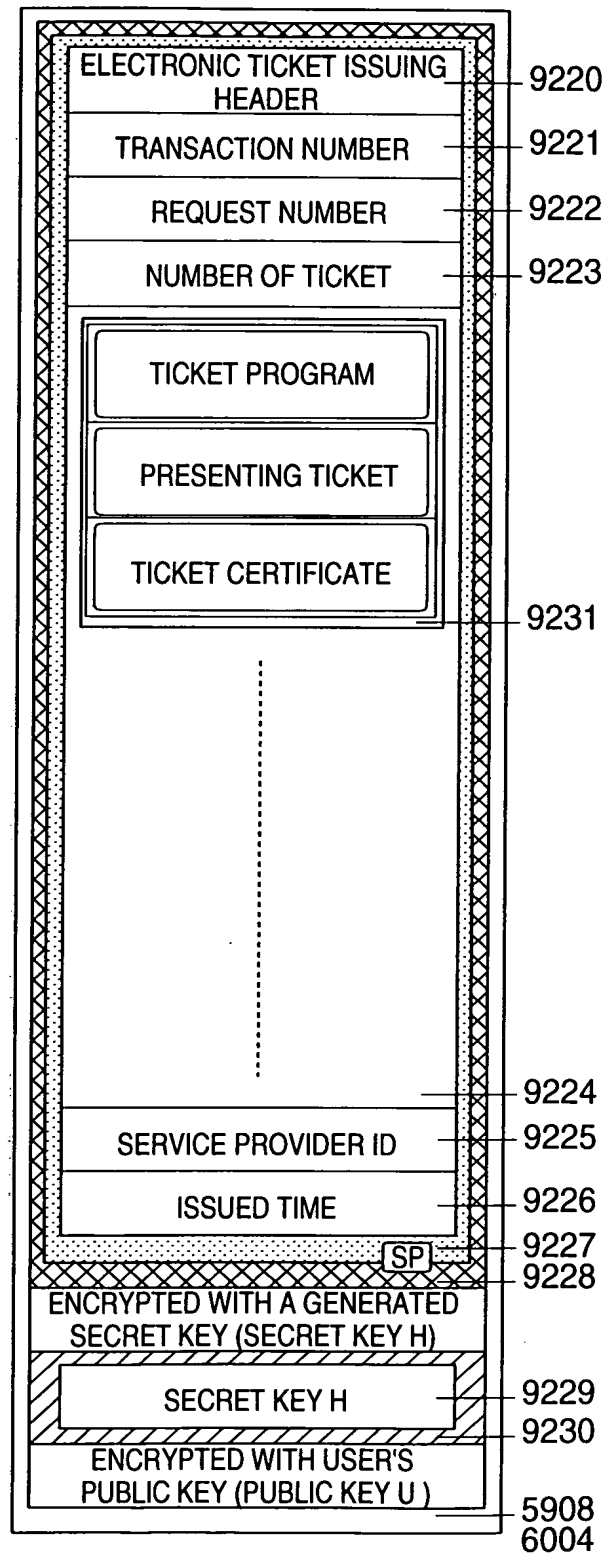




FIG.93A

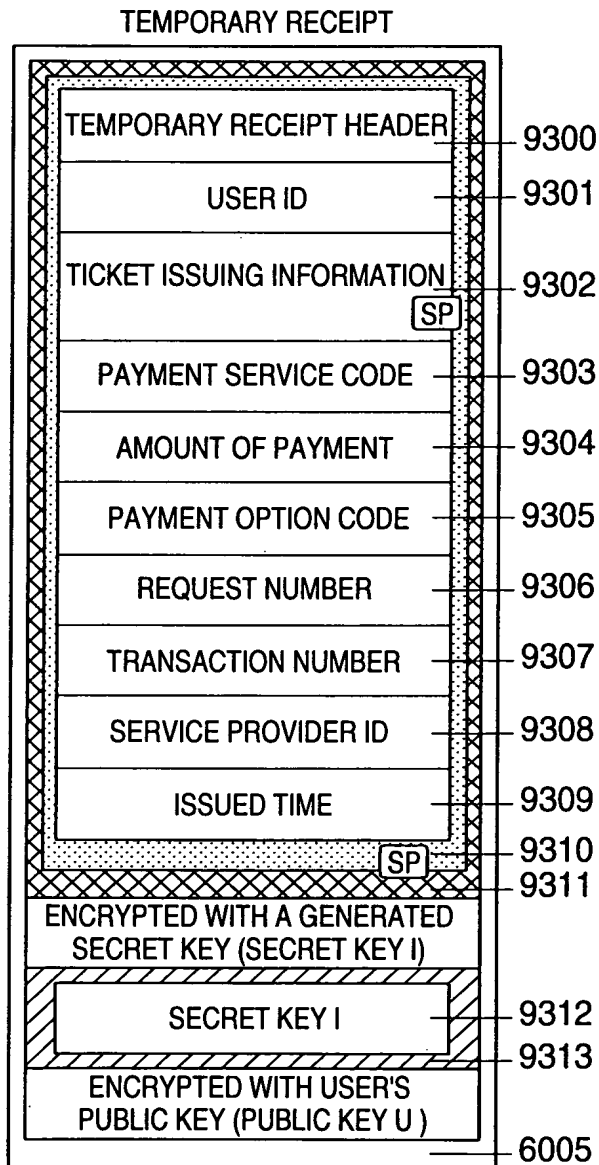


FIG.93B

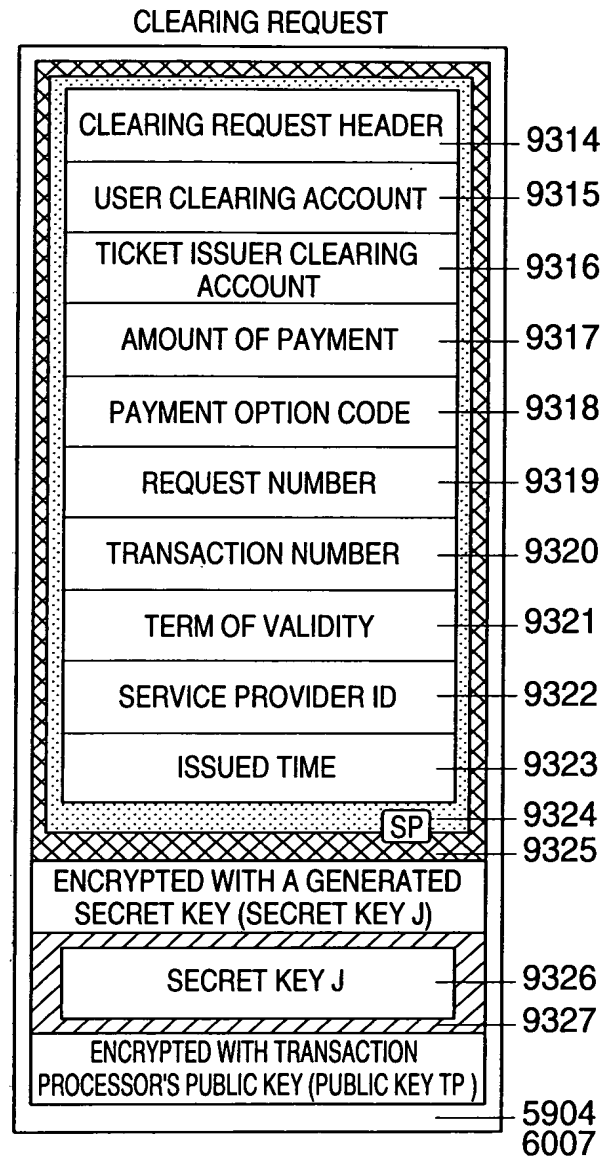


FIG.94A

CLEARING COMPLETION TP2SP

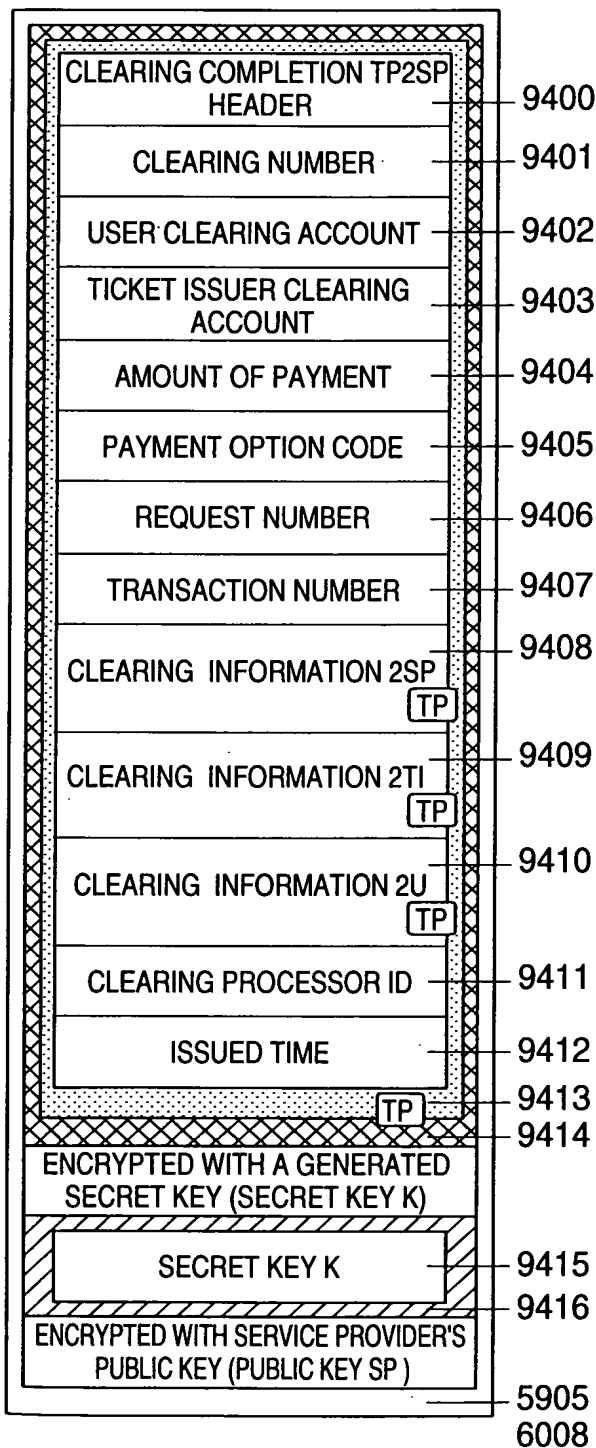


FIG.94B

CLEARING COMPLETION SP2TI

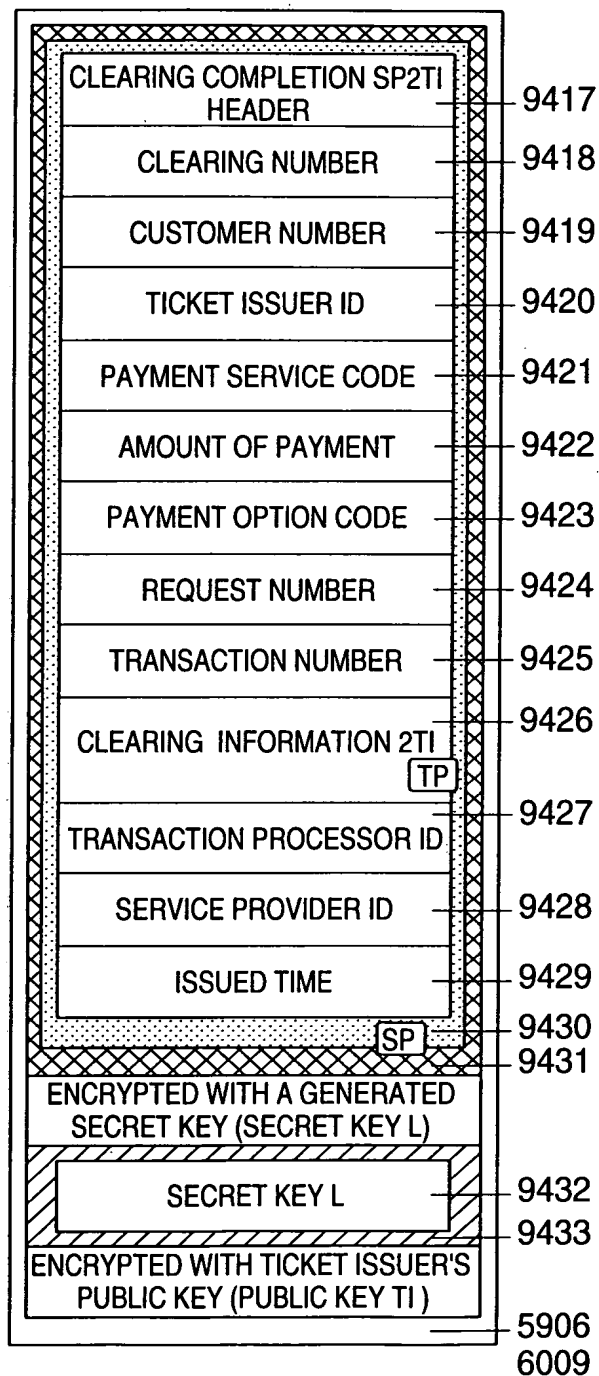


FIG.95A

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FIG.95B

RECEIPT TI2SP

RECEIPT SP2U

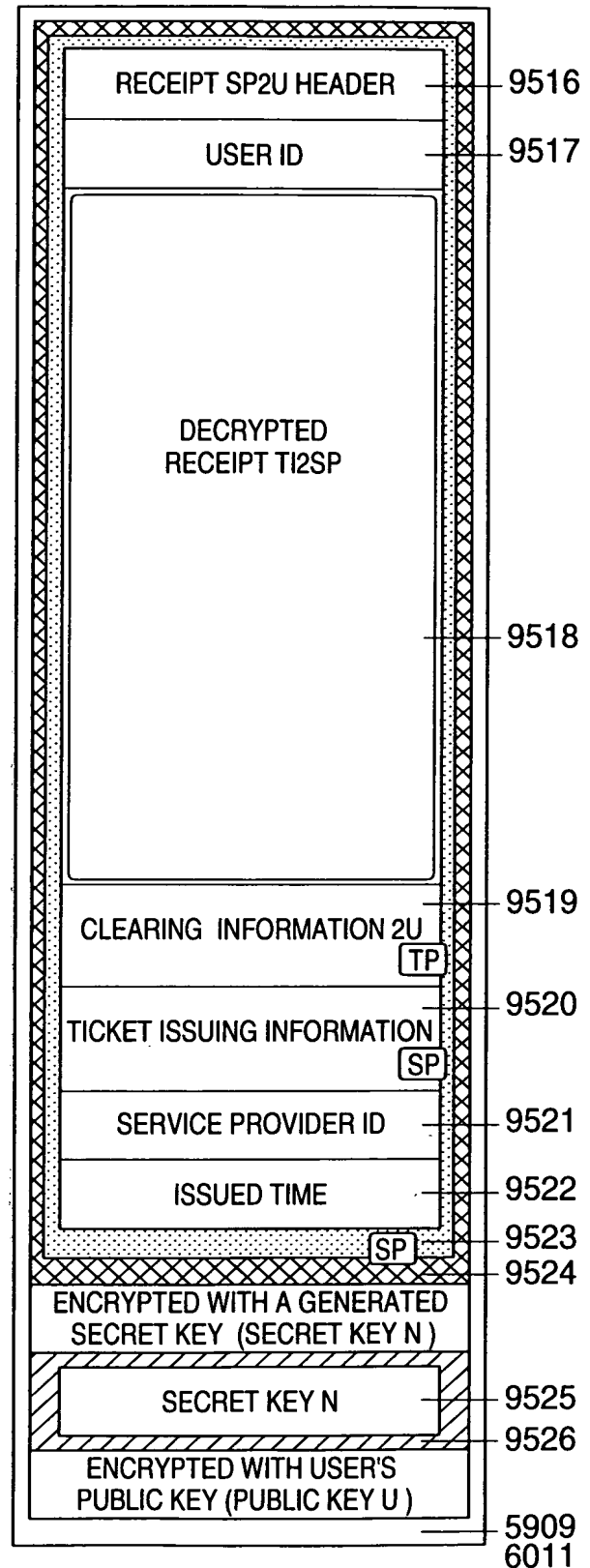
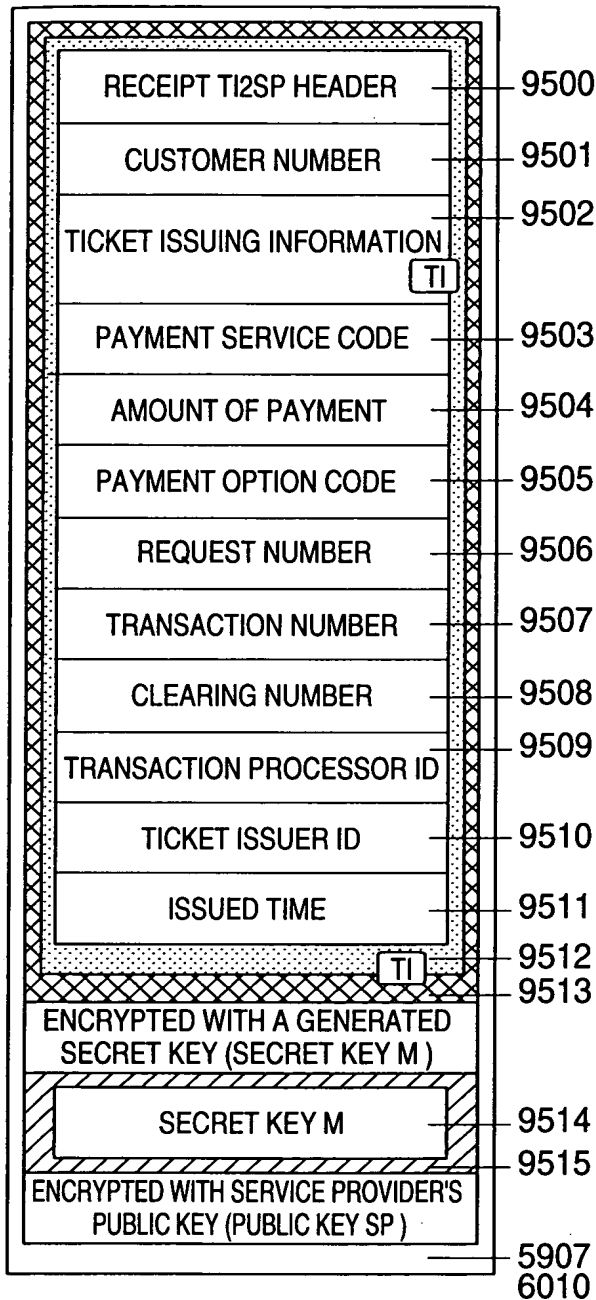


FIG.96A

PAYMENT CARD PURCHASE ORDER U2SP

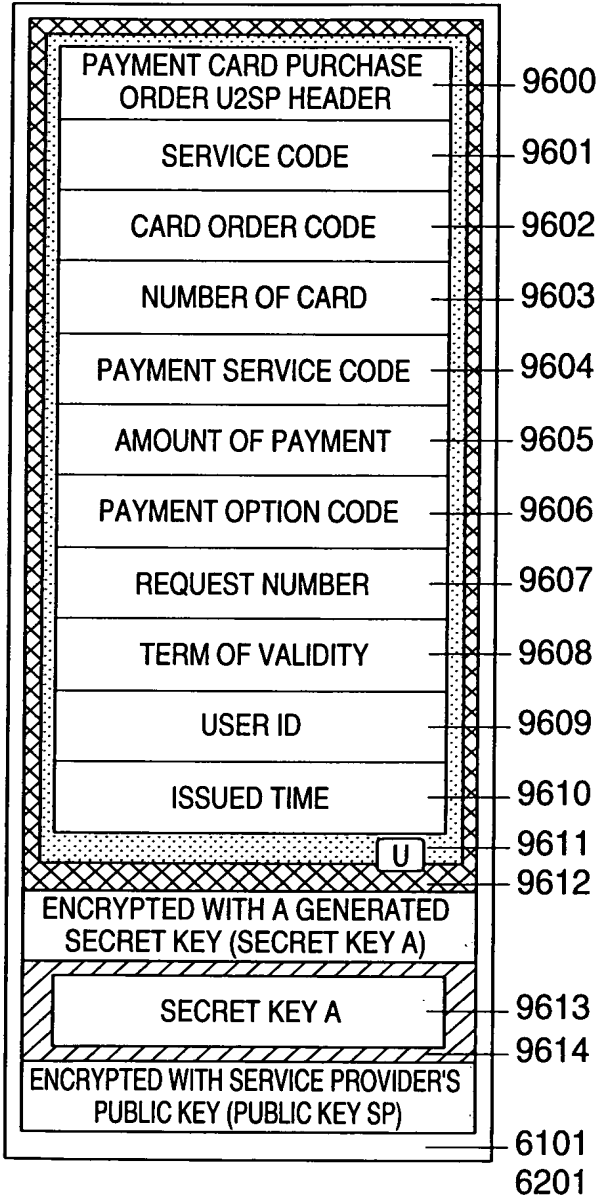
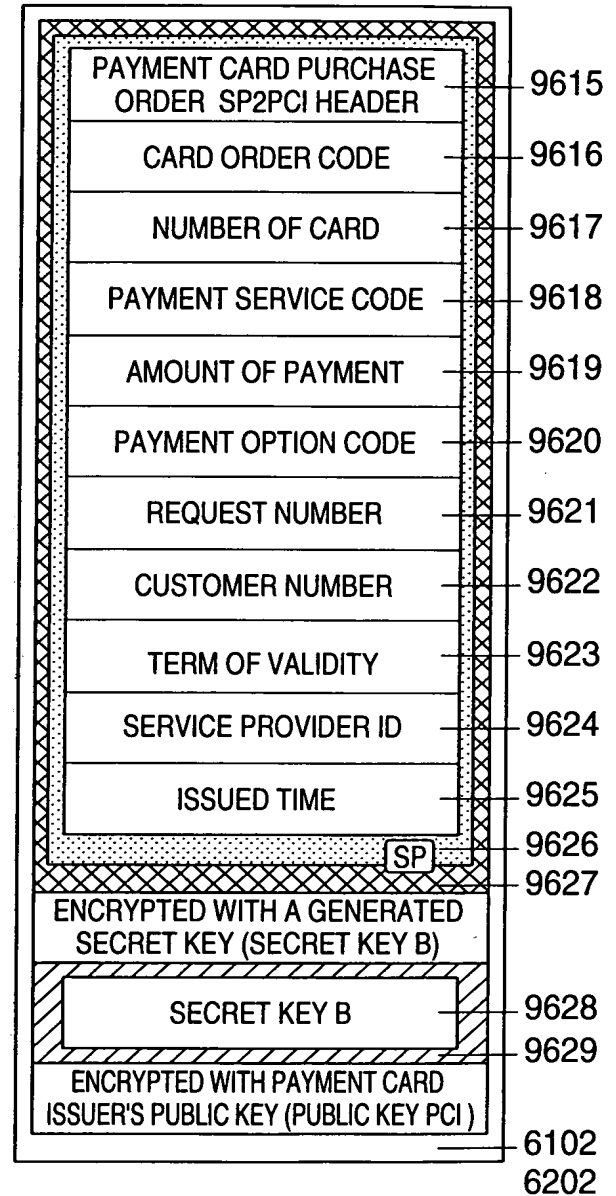


FIG.96B

PAYMENT CARD PURCHASE ORDER SP2PCI



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FIG.97A

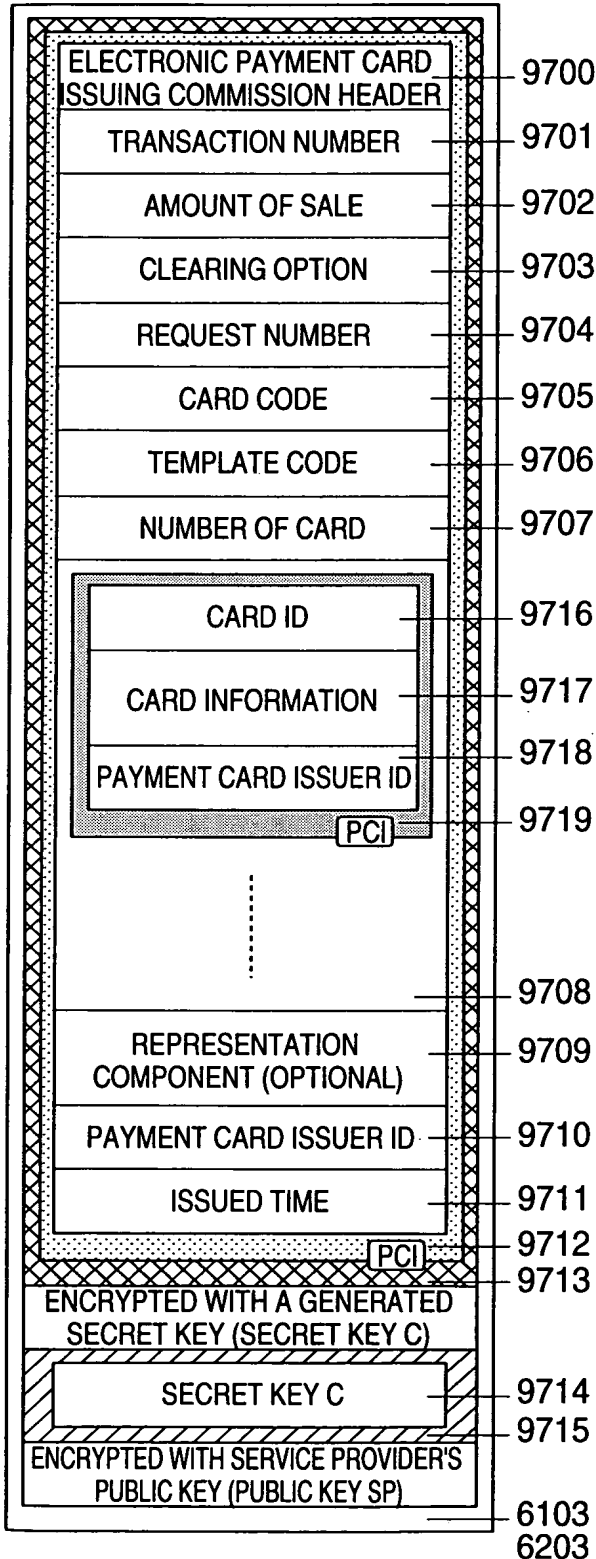
ELECTRONIC PAYMENT CARD  
ISSUING COMMISSION

FIG.97B

## ELECTRONIC PAYMENT CARD ISSUING

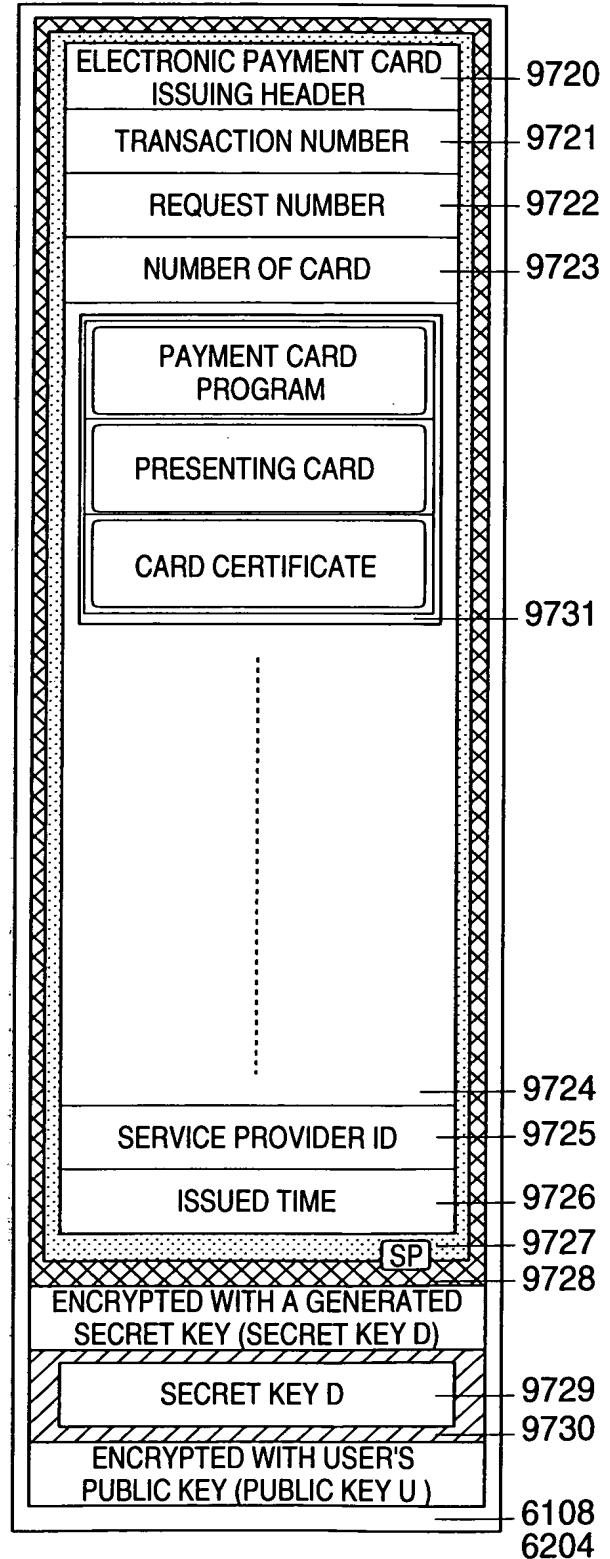


FIG.98A

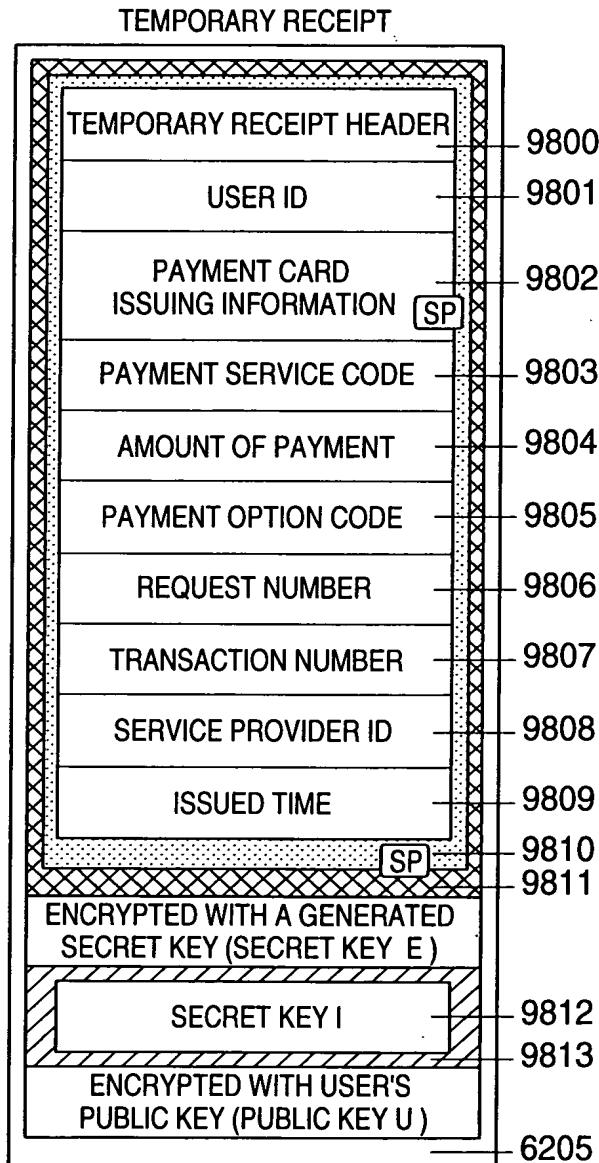


FIG.98B

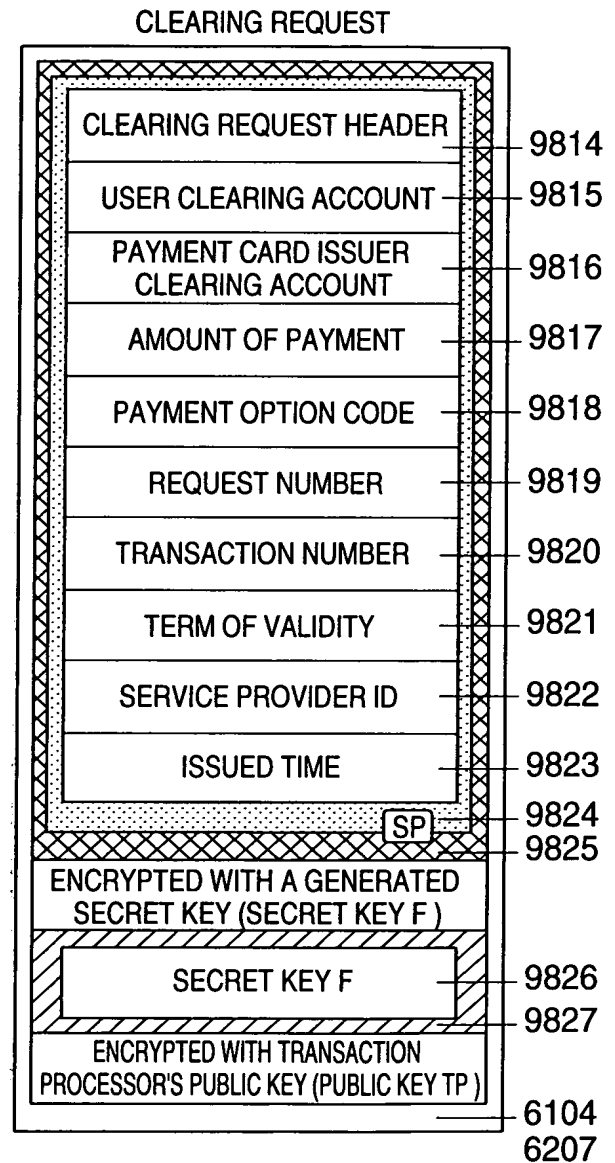


FIG.99A

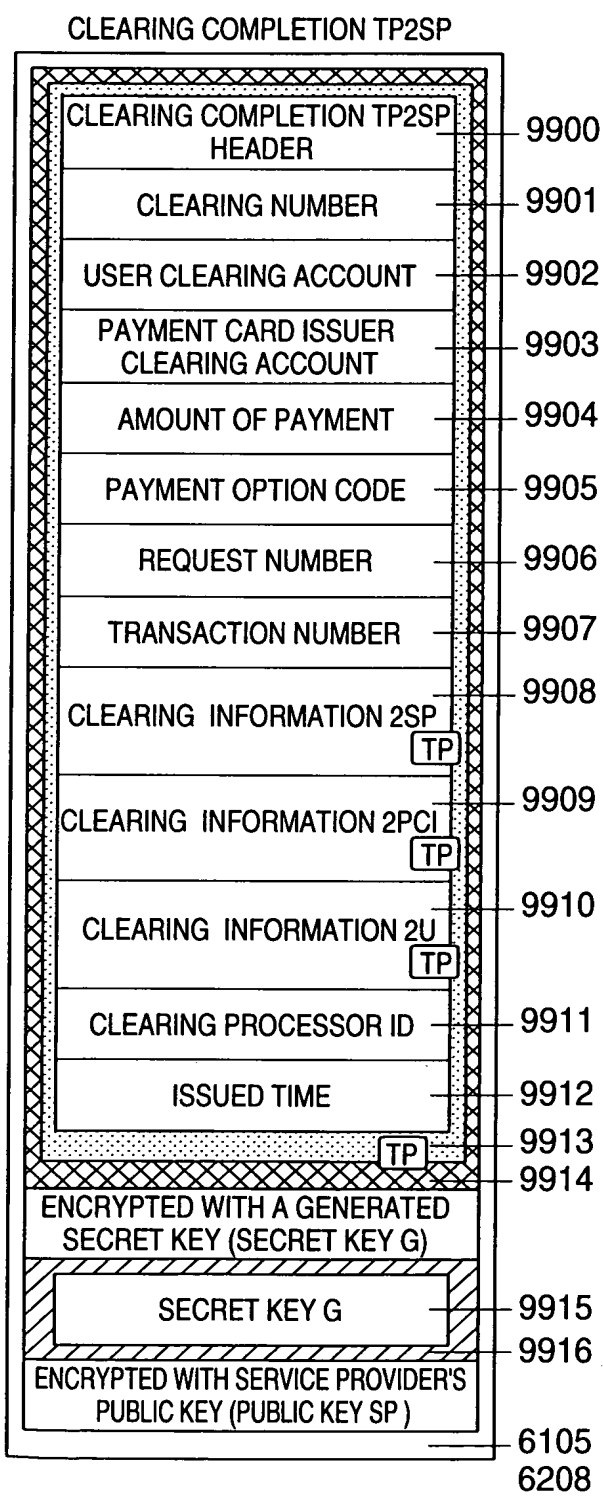
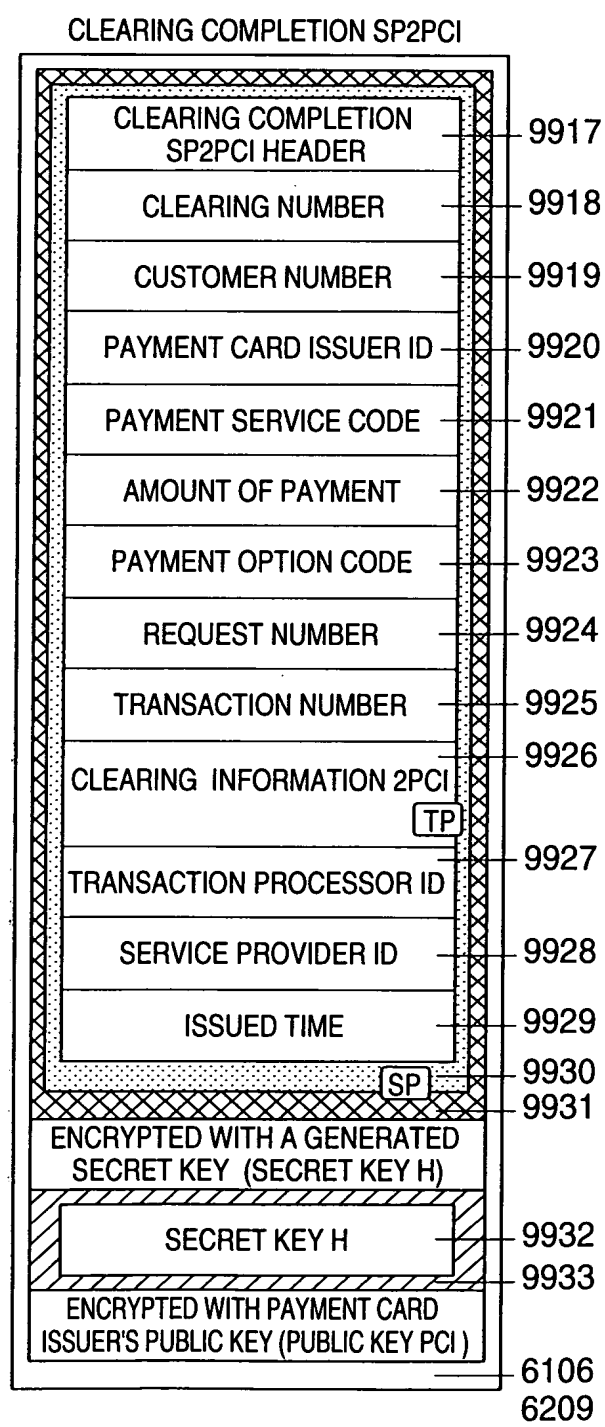


FIG.99B



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FIG.100A

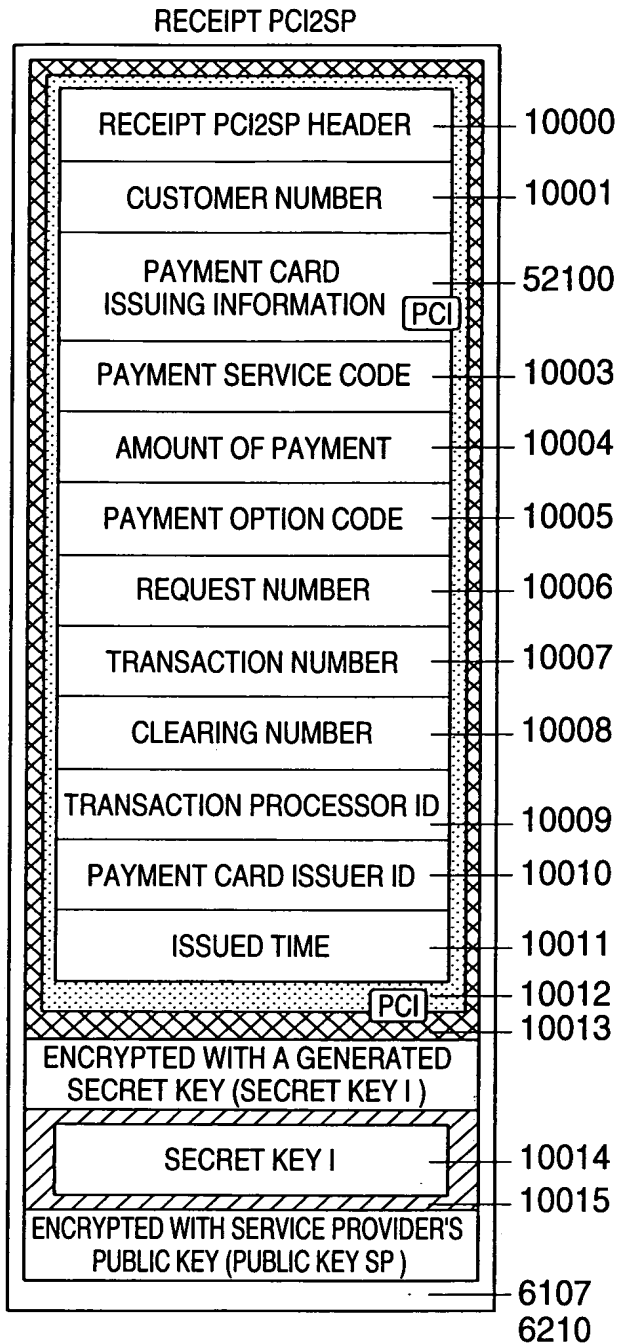


FIG.100B

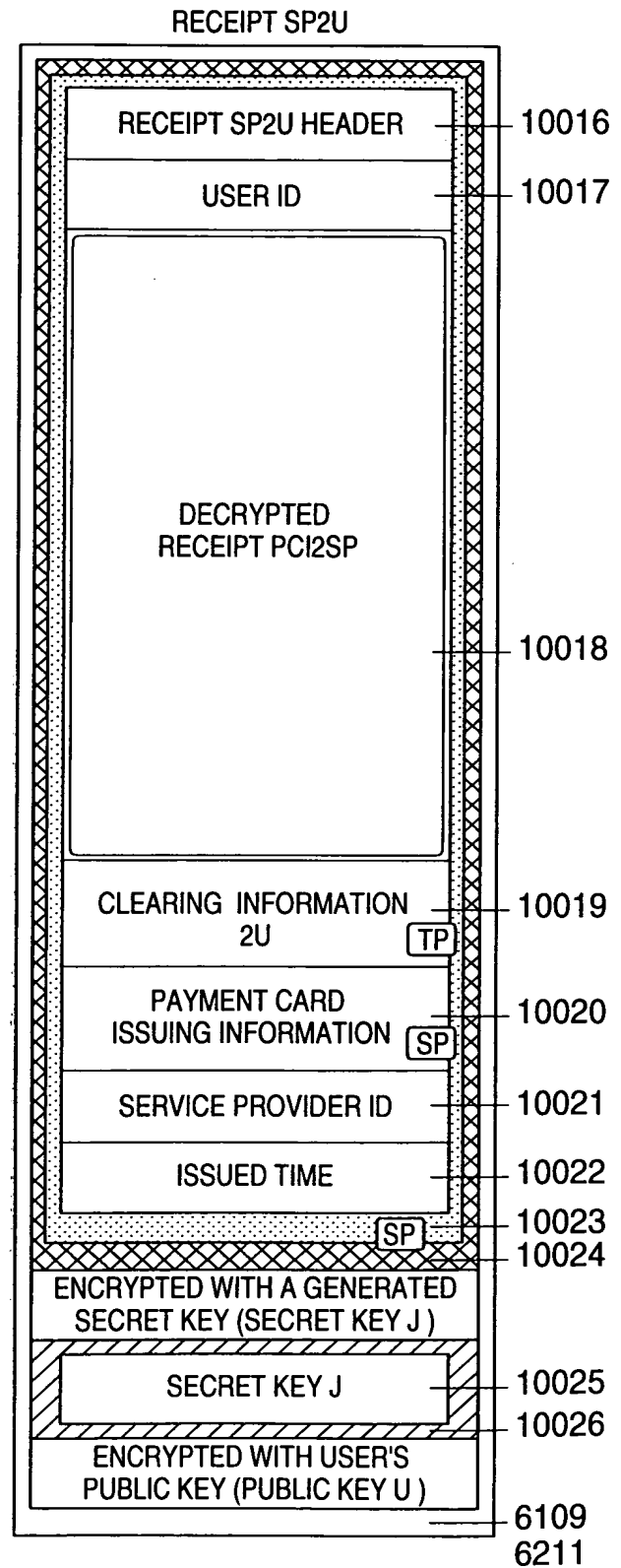




FIG.101A

TELEPHONE CARD PURCHASE ORDER U2SP

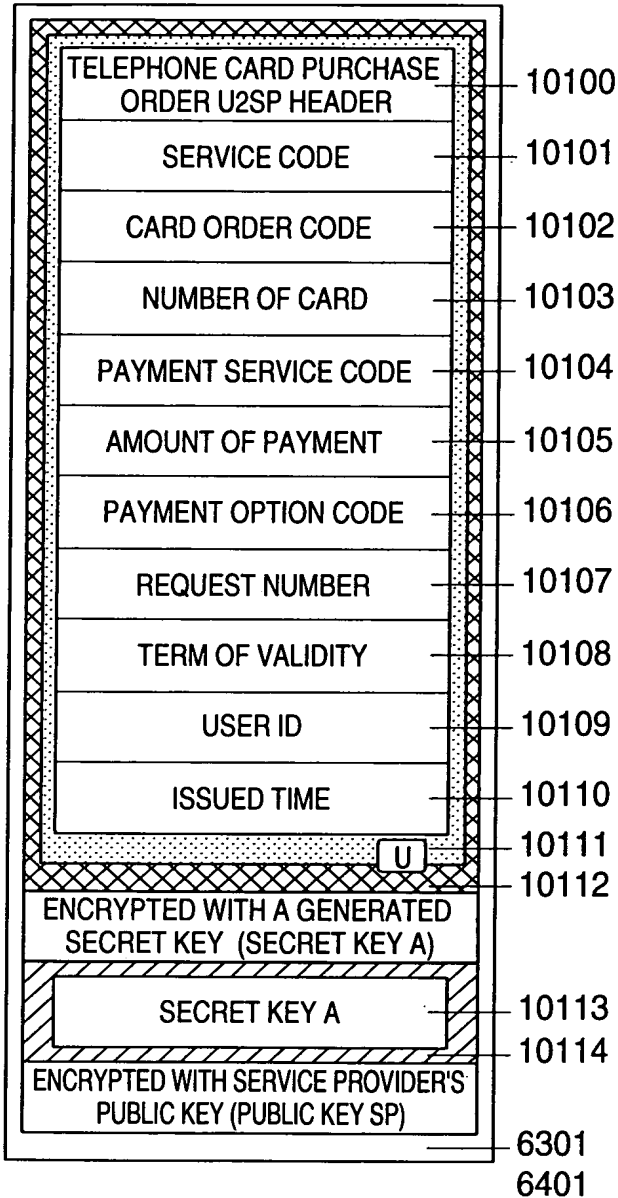


FIG.101B

TELEPHONE CARD PURCHASE ORDER SP2TCI

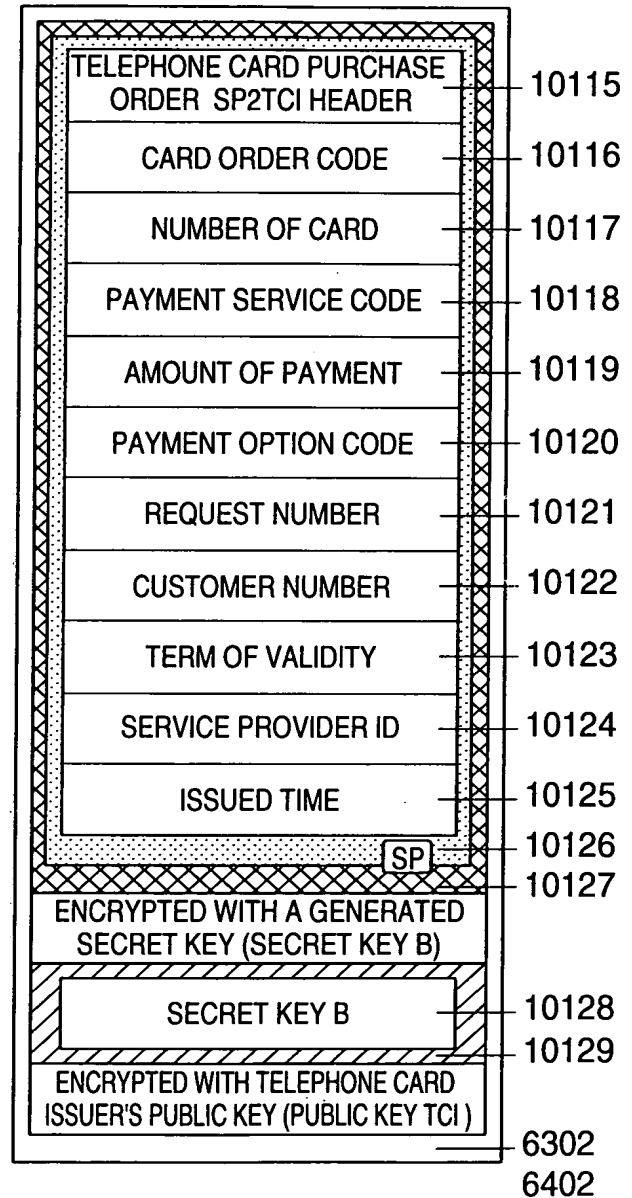


FIG. 102B

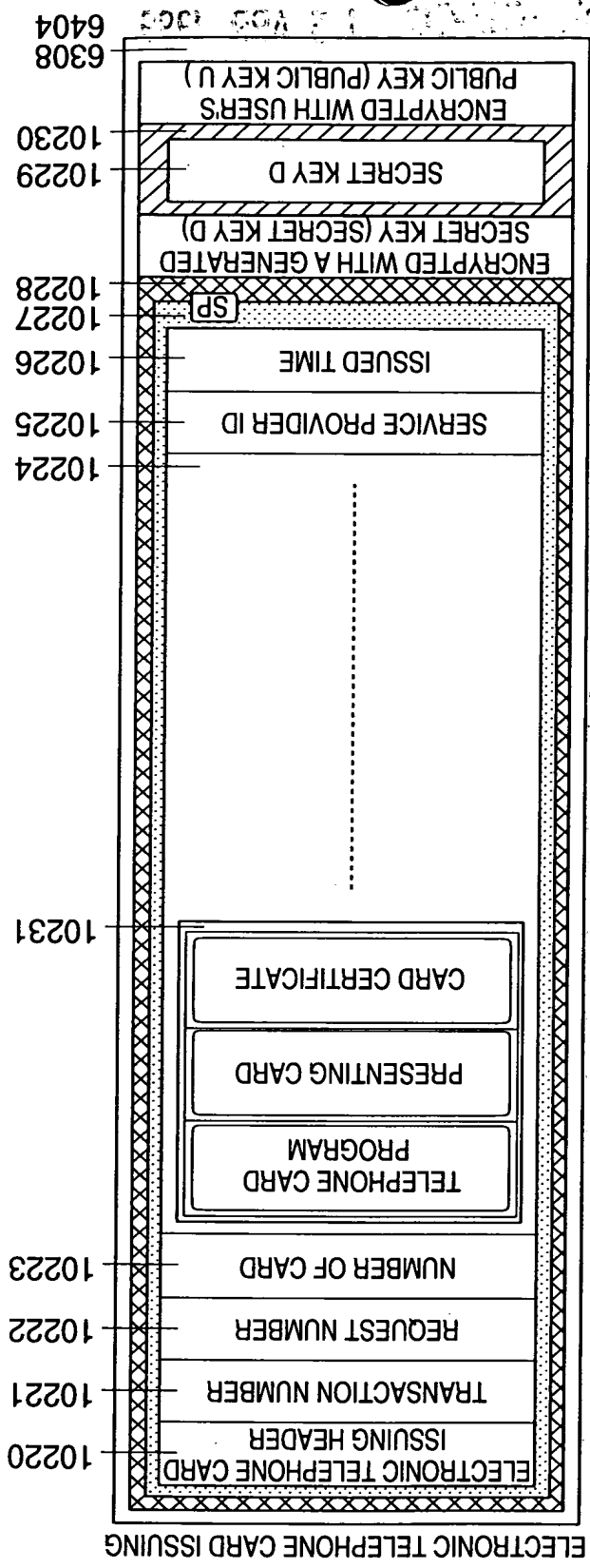
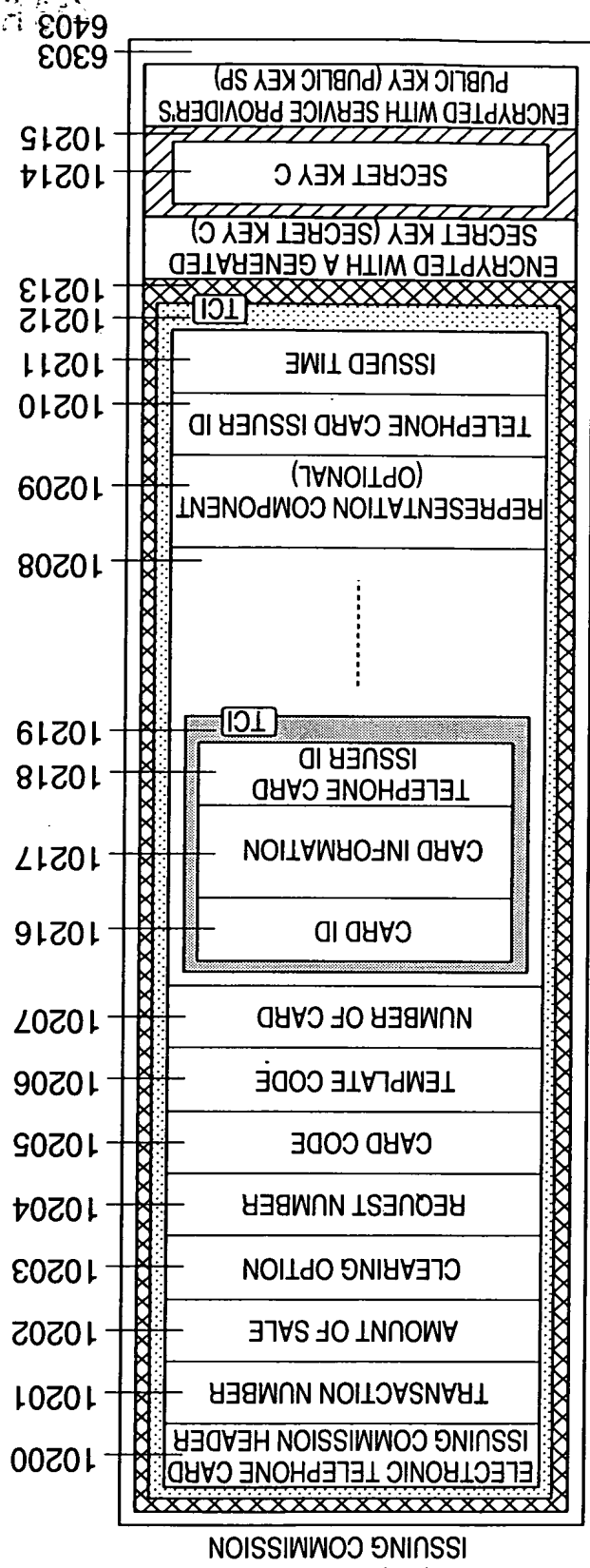


FIG. 102B

FIG. 102A



ELECTRONIC TELEPHONE CARD ISSUING COMMISSION

FIG.103A

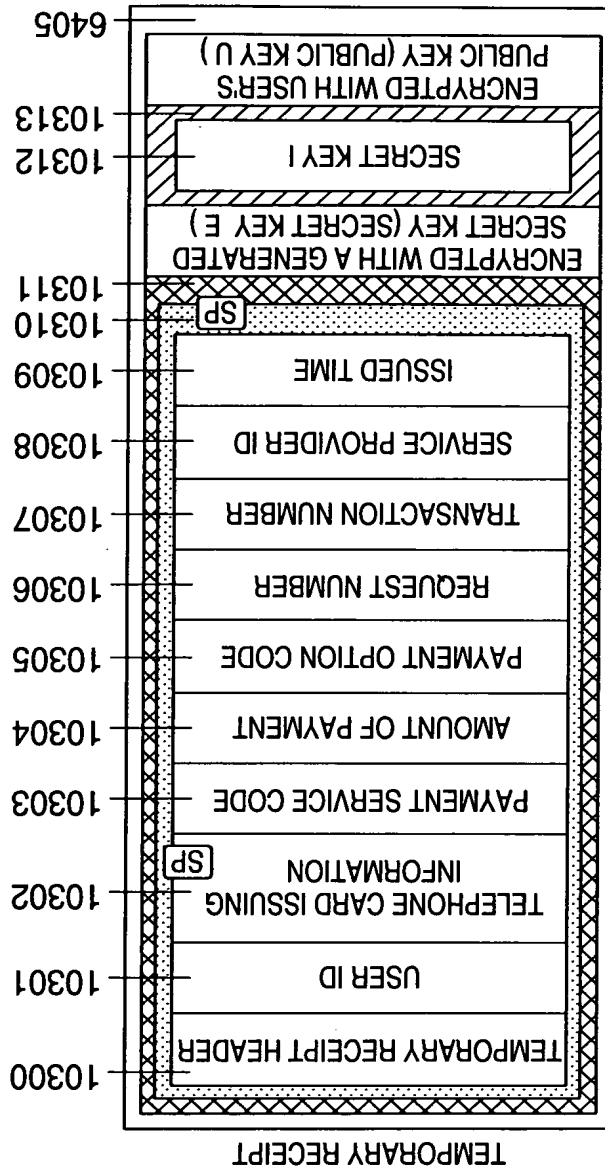
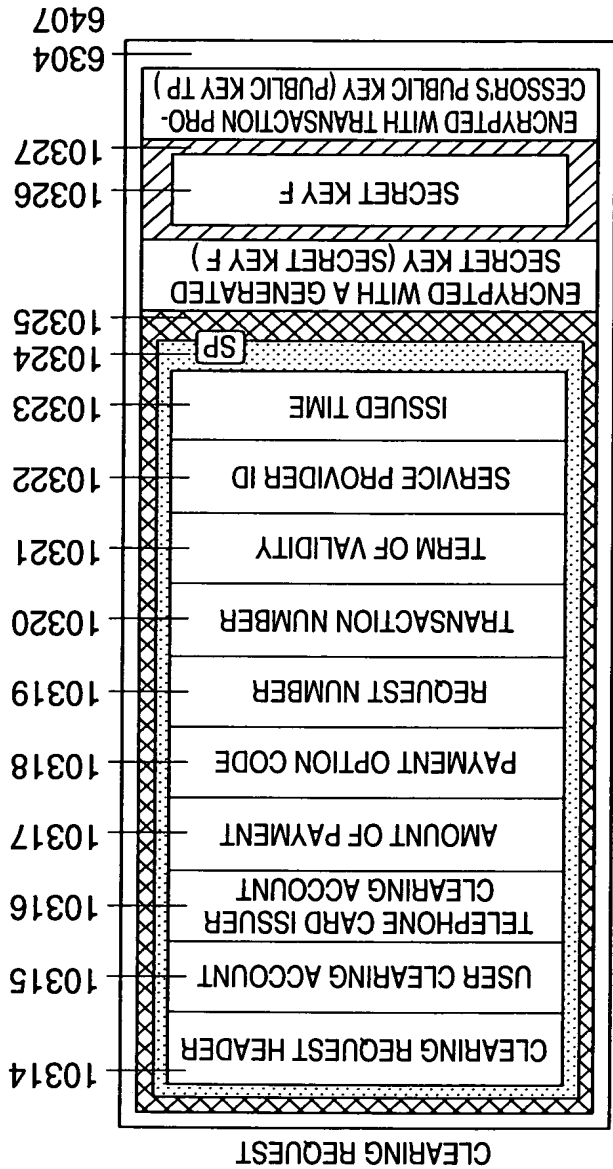


FIG.103B



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FIG.104A

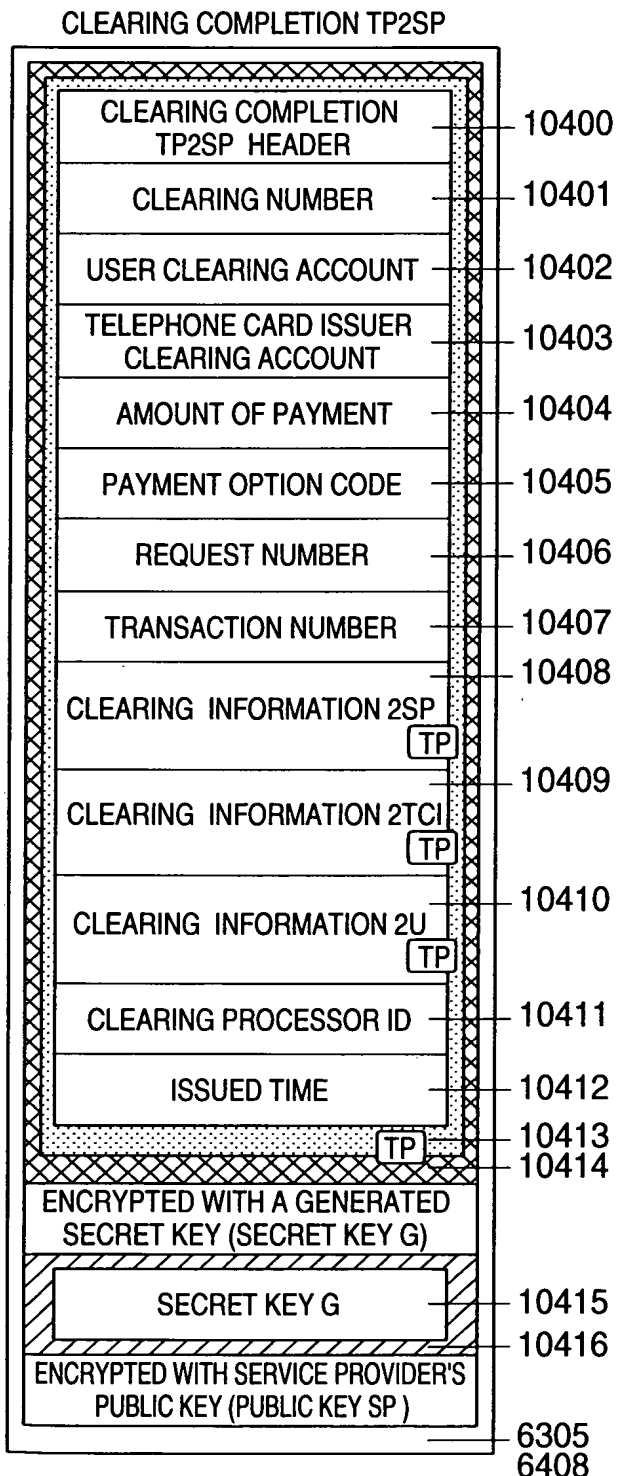
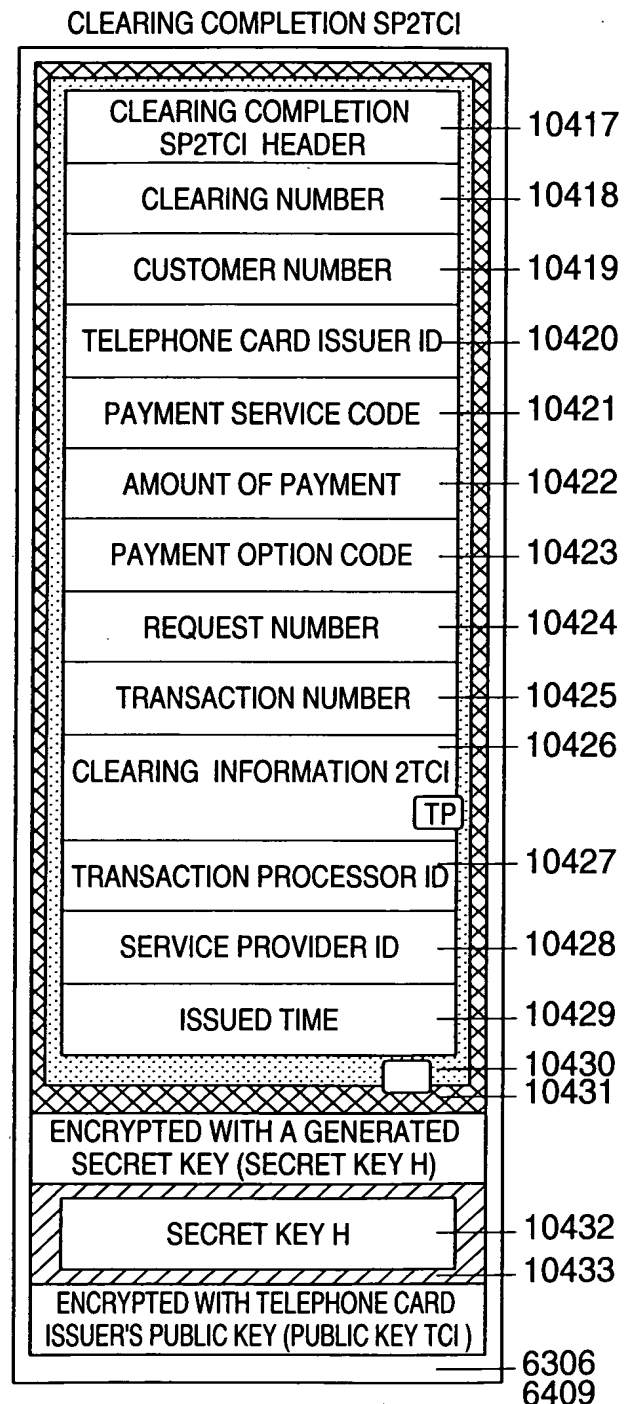


FIG.104B



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FIG.105A

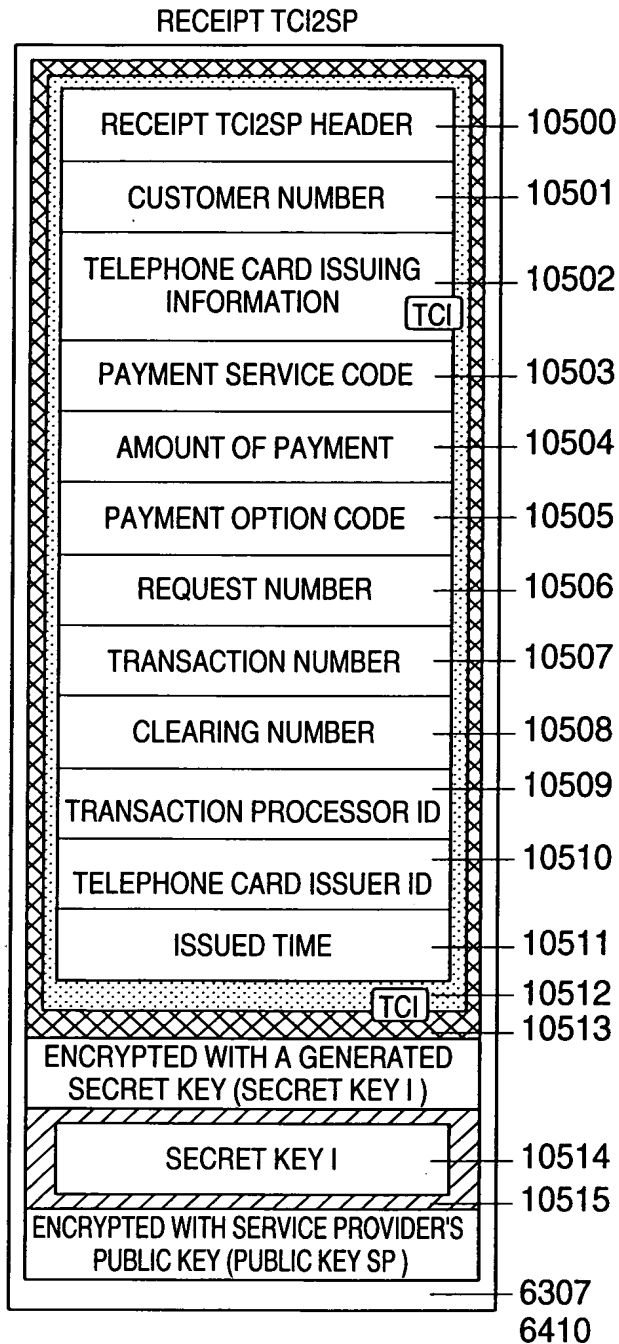
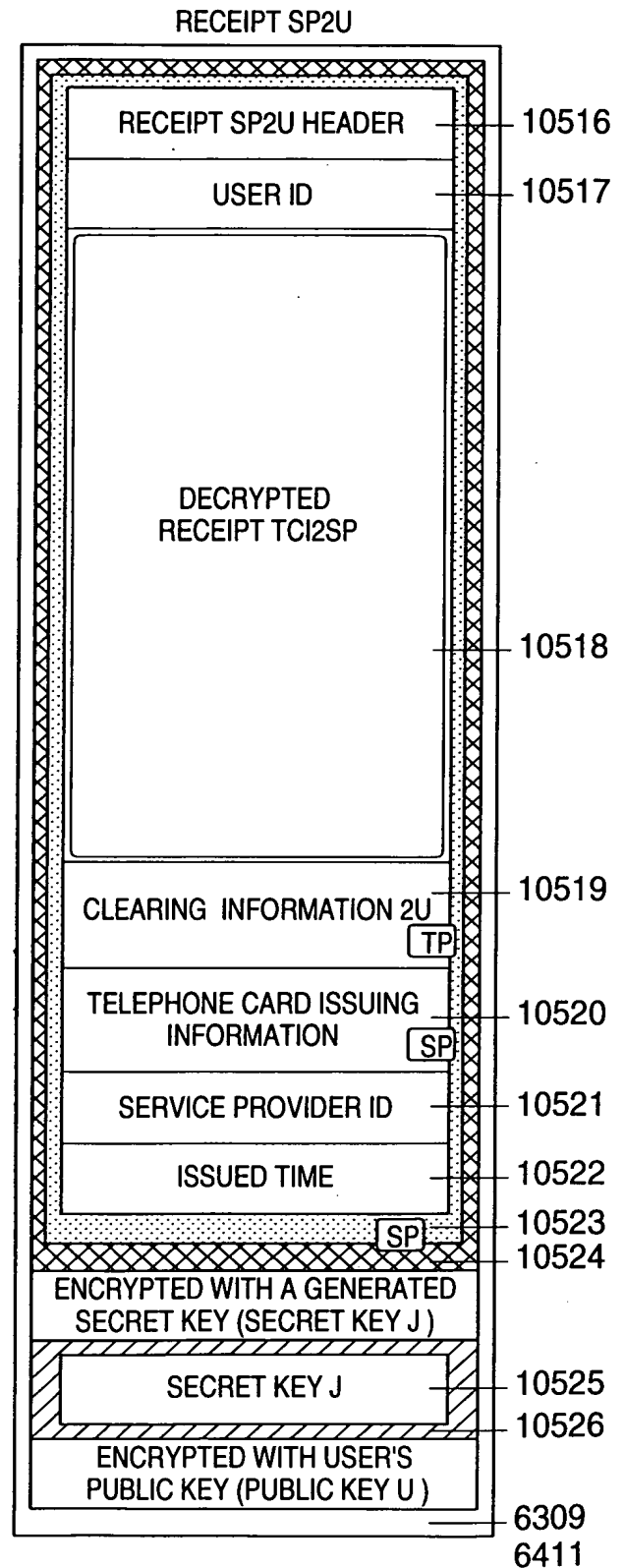


FIG.105B



**FIG. 106B**



FIG.107A

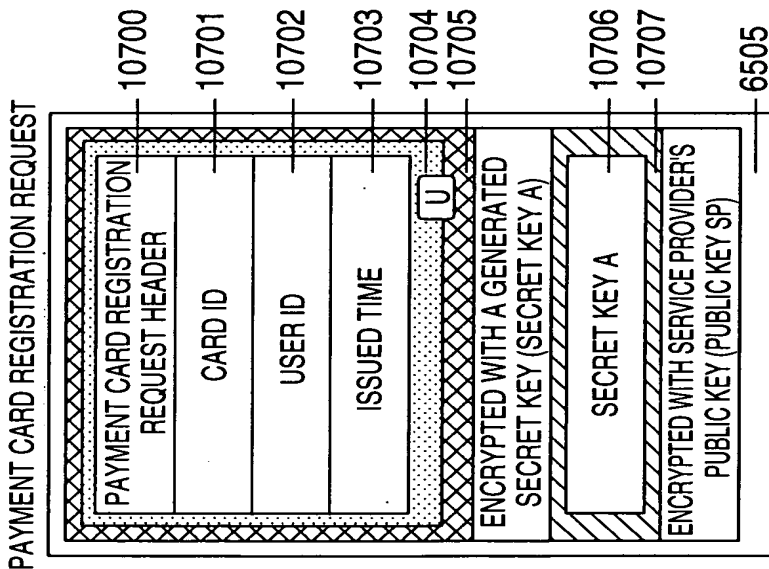


FIG.107B

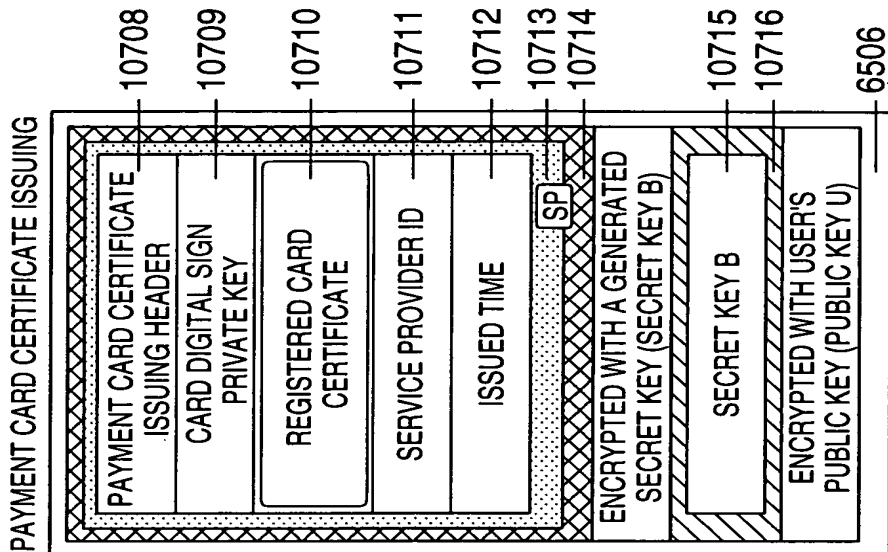


FIG.108B

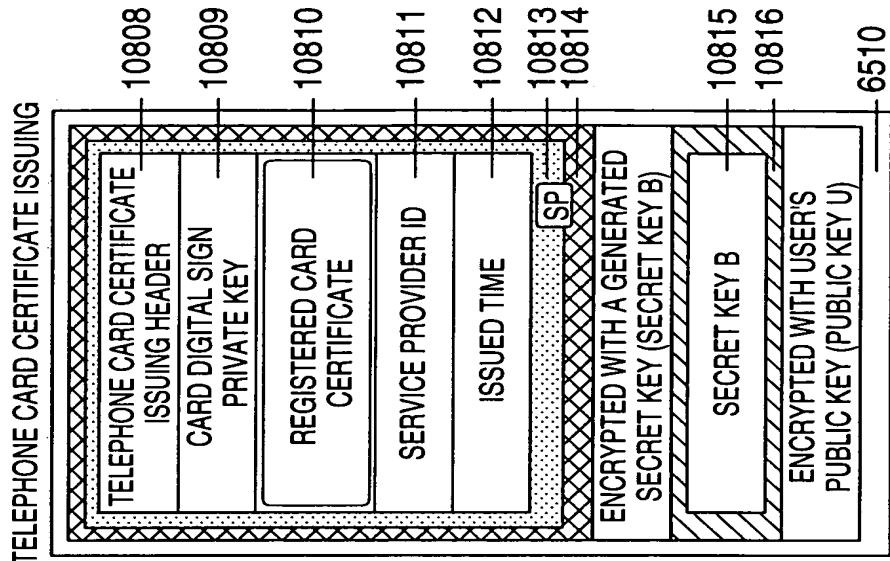


FIG.108A

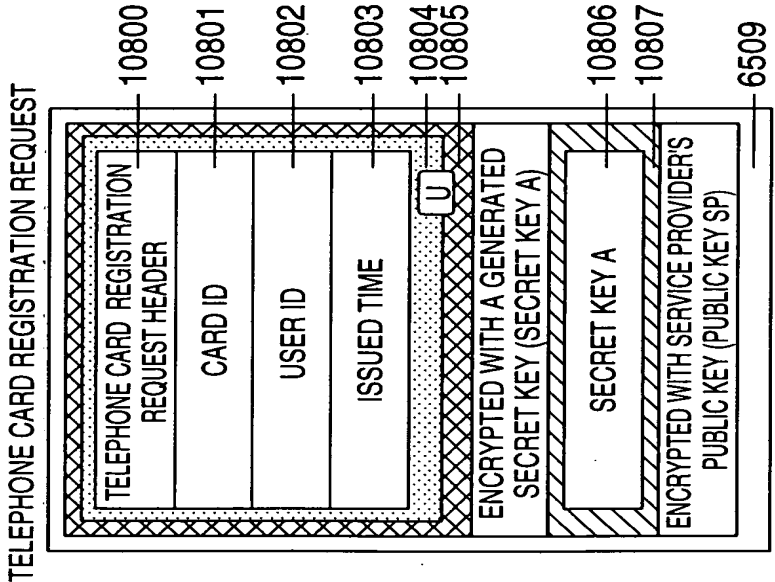




FIG.109A

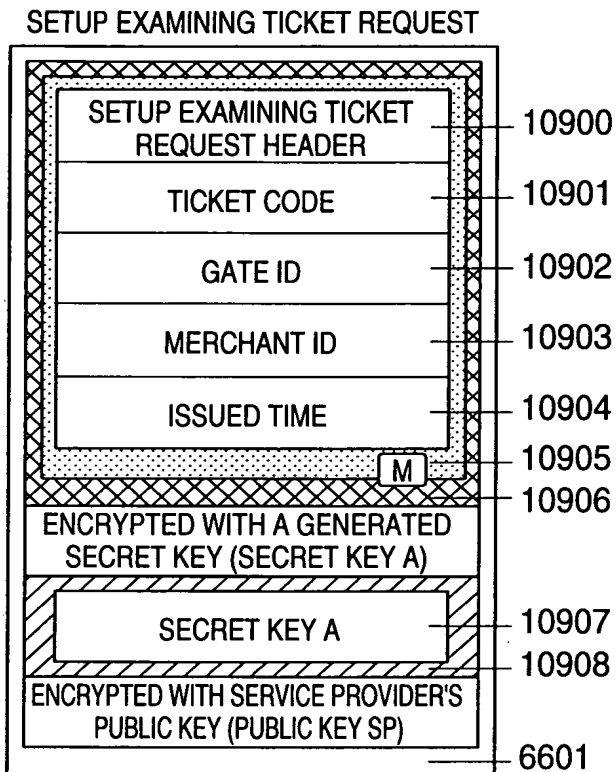
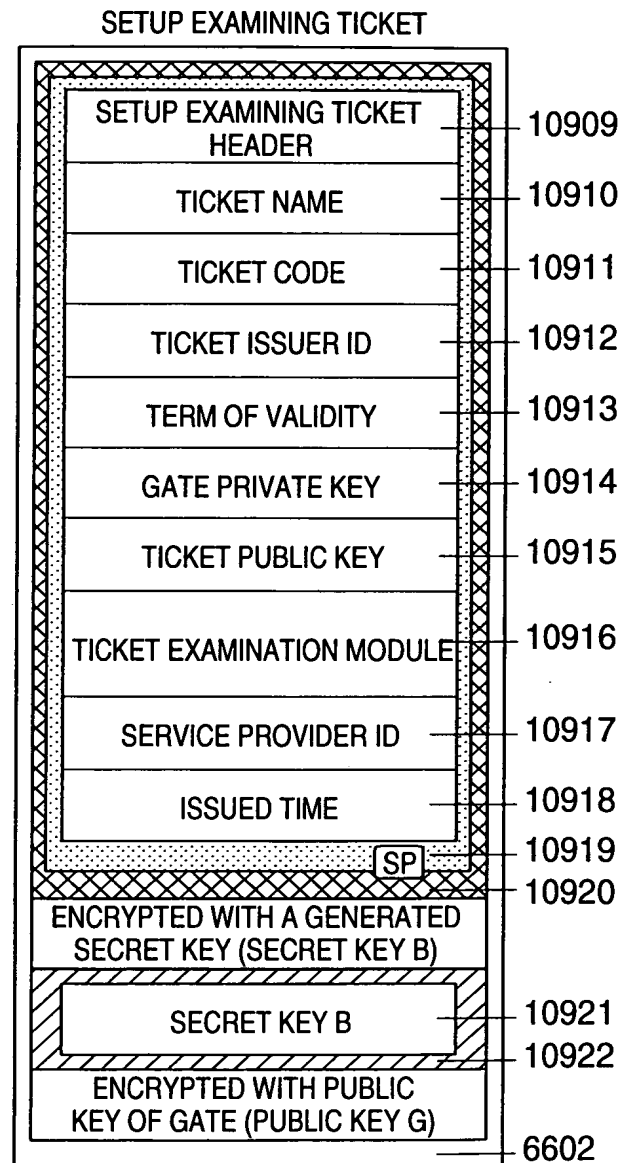


FIG.109B



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FIG.110A

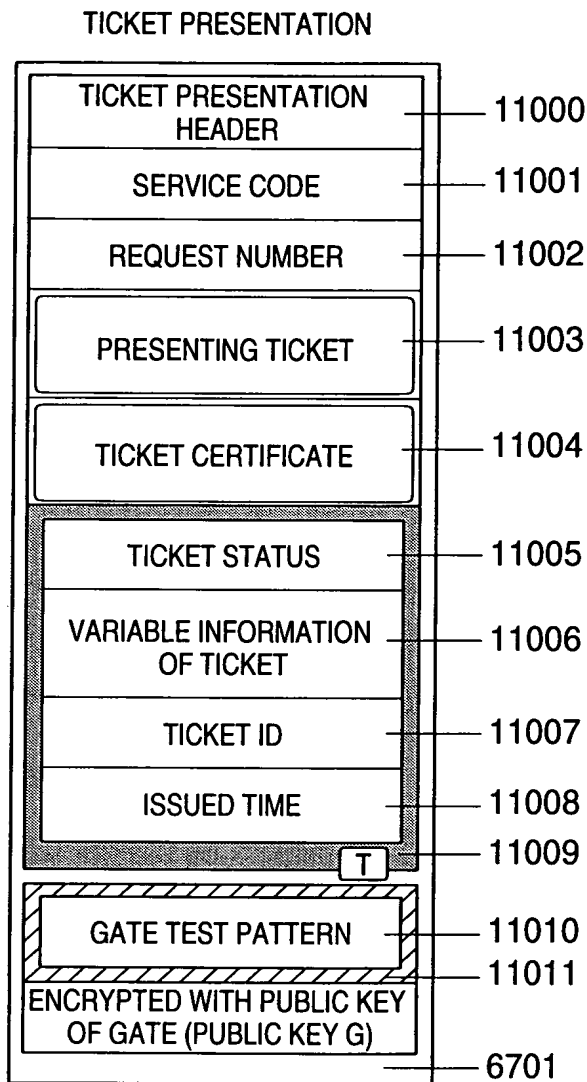
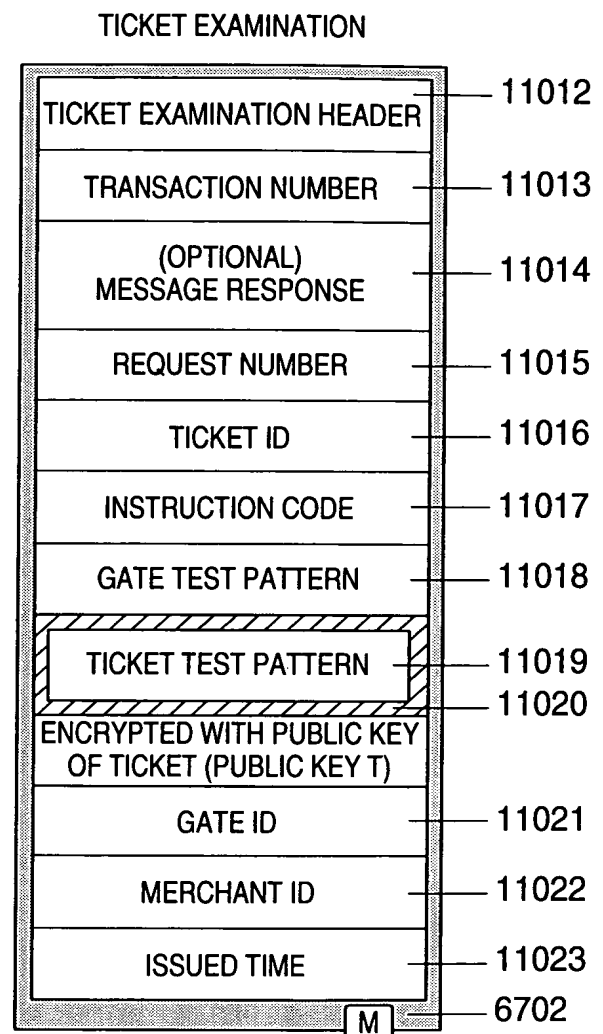


FIG.110B



# FIG.111A

## TICKET EXAMINATION RESPONSE

TICKET EXAMINATION RESPONSE HEADER	11100
TICKET EXAMINATION NUMBER	11101
TICKET TEST PATTERN	11102
TICKET STATUS	11103
VARIABLE INFORMATION OF TICKET	11104
GATE ID	11105
MERCHANT ID	11106
REQUEST NUMBER	11107
TRANSACTION NUMBER	11108
TICKET CODE	11109
TICKET ID	11110
ISSUED TIME	11111
T	
U	
6703	

# FIG.111B

## EXAMINATION CERTIFICATE

EXAMINATION CERTIFICATE HEADER	11113
INFORMATION OF EXAMINATION	11114
TICKET ID	11115
REQUEST NUMBER	11116
TRANSACTION NUMBER	11117
TICKET EXAMINATION NUMBER	11118
GATE ID	11119
MERCHANT ID	11120
ISSUED TIME	11121
M	
6704	

**FIG. 112A**

**FIG. 112B**

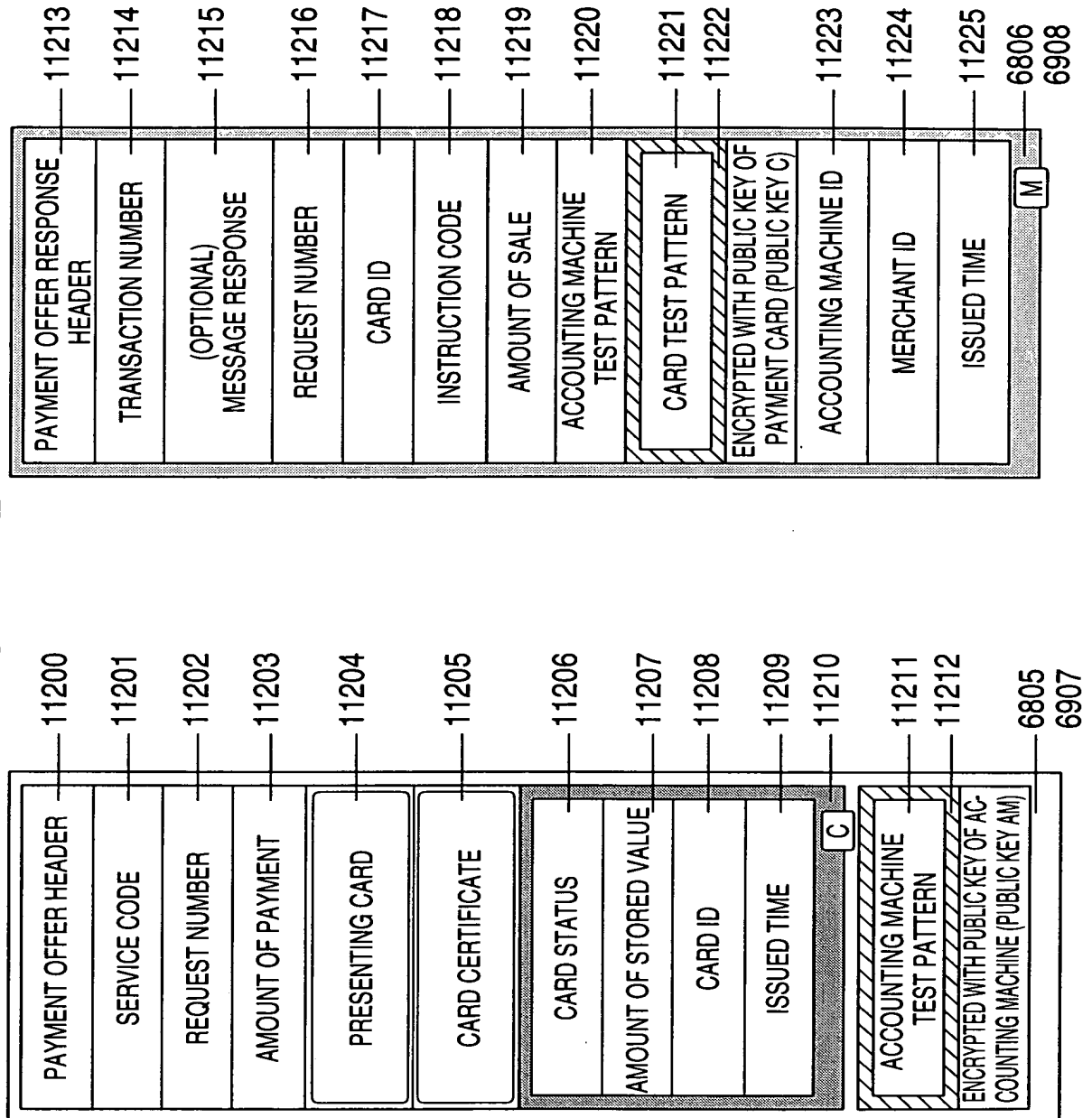


FIG.113A

FIG.113B

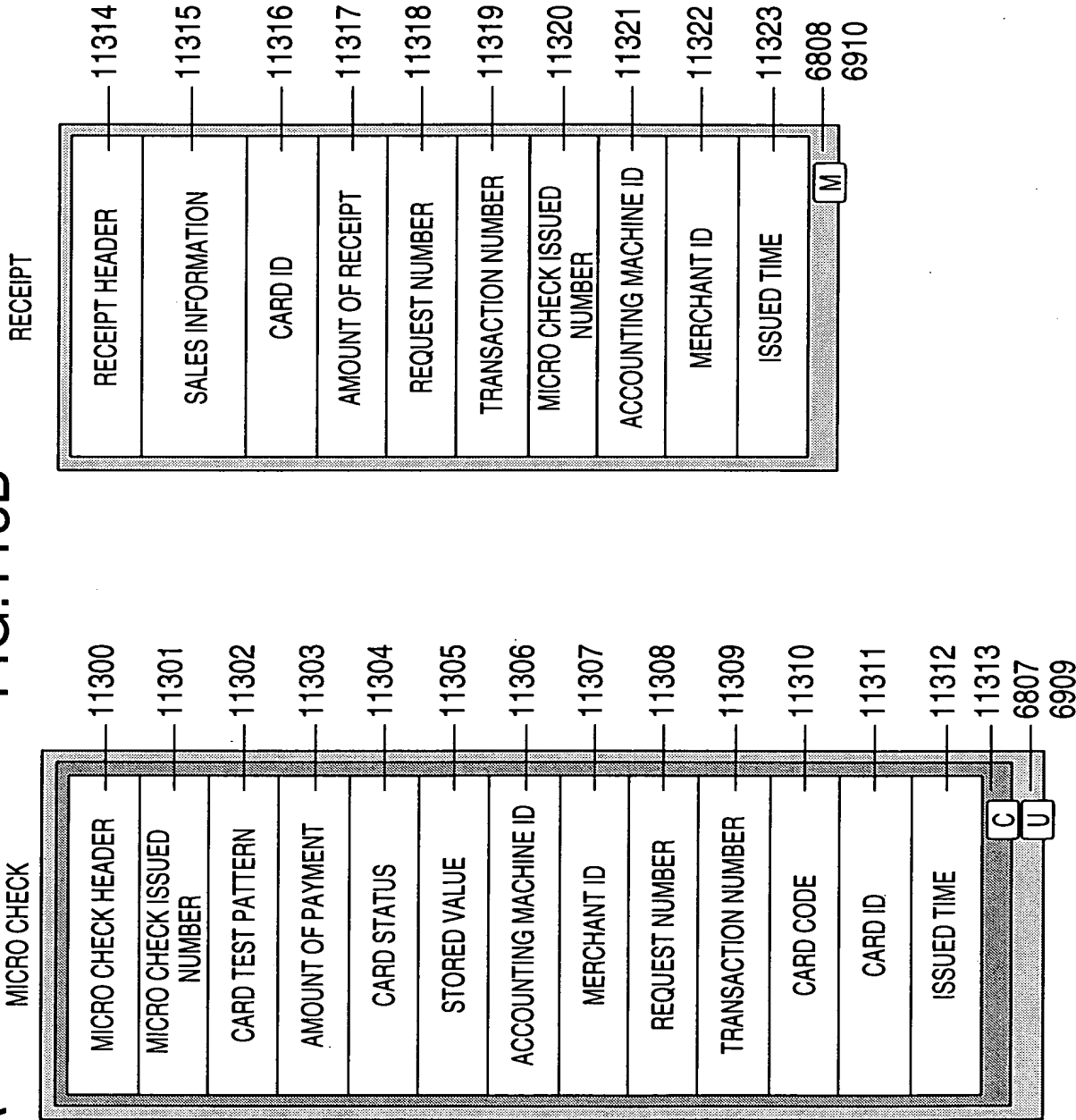


FIG.114A

MICRO CHECK CALL REQUEST

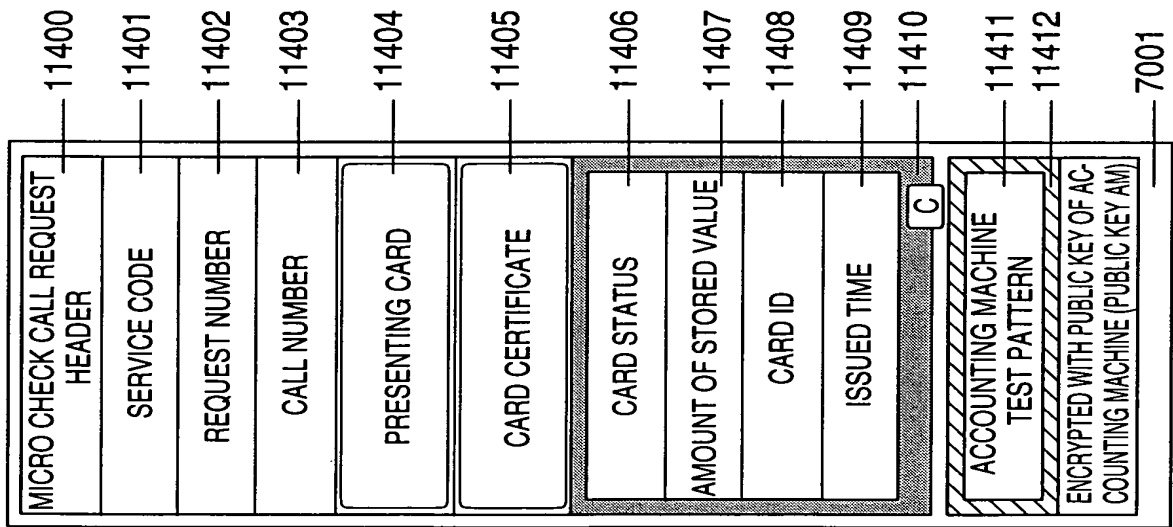


FIG.114B

MICRO CHECK CALL RESPONSE

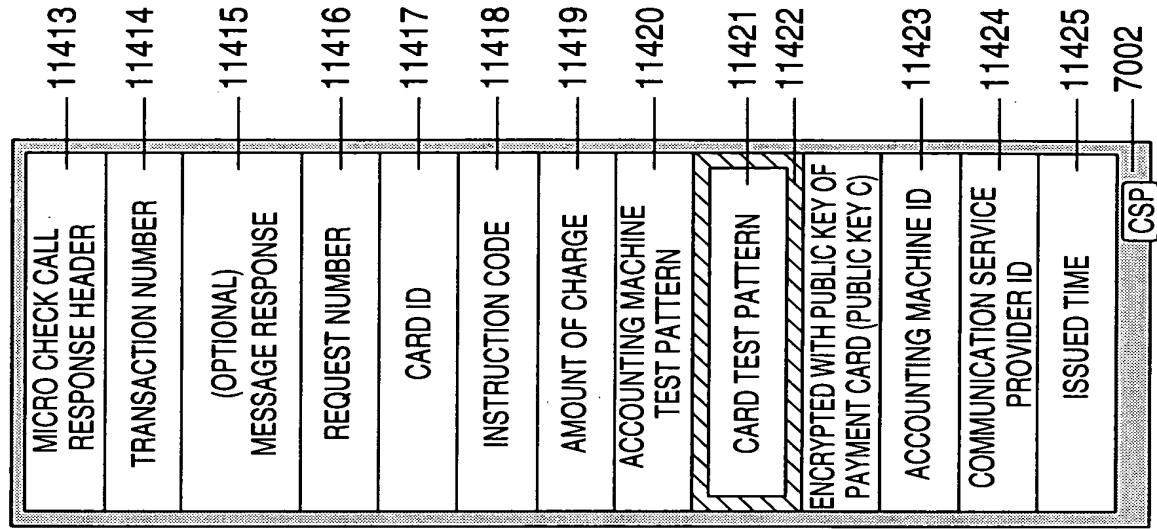


FIG.115A

TELEPHONE MICRO CHECK

TELEPHONE MICRO CHECK HEADER	11500
MICRO CHECK ISSUED NUMBER	11501
CARD TEST PATTERN	11502
AMOUNT OF PAYMENT	11503
CARD STATUS	11504
STORED VALUE	11505
ACCOUNTING MACHINE ID	11506
COMMUNICATION SERVICE PROVIDER ID	11507
REQUEST NUMBER	11508
TRANSACTION NUMBER	11509
CARD CODE	11510
CARD ID	11511
ISSUED TIME	11512
	11513
	7003
	7012
	7016

FIG.115B

Receipt

RECEIPT HEADER	11514
PROVIDING SERVICE INFORMATION	11515
CARD ID	11516
AMOUNT OF RECEIPT	11517
REQUEST NUMBER	11518
TRANSACTION NUMBER	11519
MICRO CHECK ISSUED NUMBER	11520
ACCOUNTING MACHINE ID	11521
COMMUNICATION SERVICE PROVIDER ID	11522
ISSUED TIME	11523
	7009
	7013
	7017

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# FIG.115C

## COMMUNICATION CHARGE

COMMUNICATION CHARGE HEADER	11524
TRANSACTION NUMBER	11525
REQUEST NUMBER	11526
CARD ID	11527
INSTRUCTION CODE	11528
AMOUNT OF CHARGE	11529
ACCOUNTING MACHINE ID	11530
COMMUNICATION SERVICE PROVIDER ID	11531
ISSUED TIME	11532
CSP	7011 7015

FIG. 115C



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FIG.116A

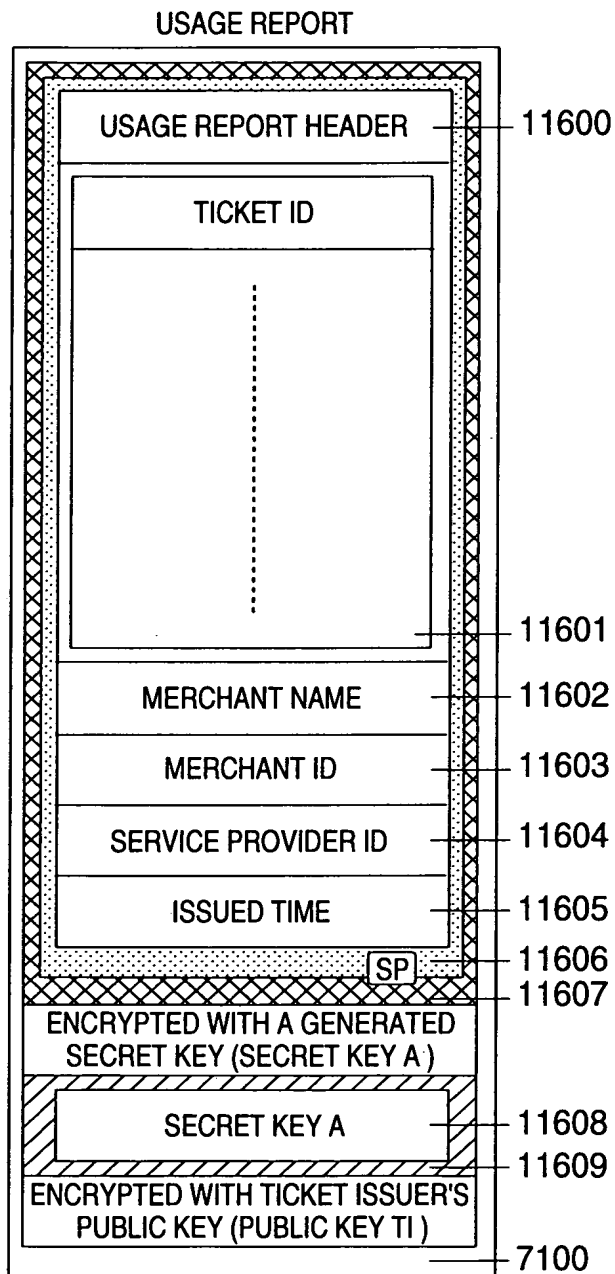
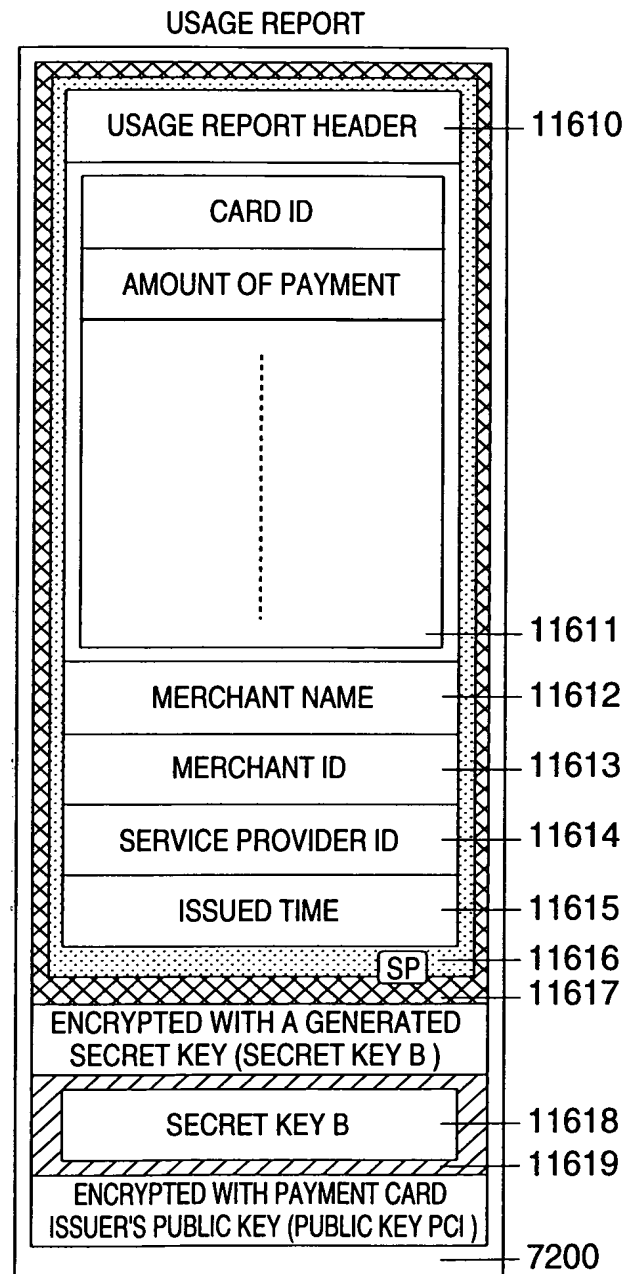


FIG.116B



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FIG.116C

## USAGE REPORT

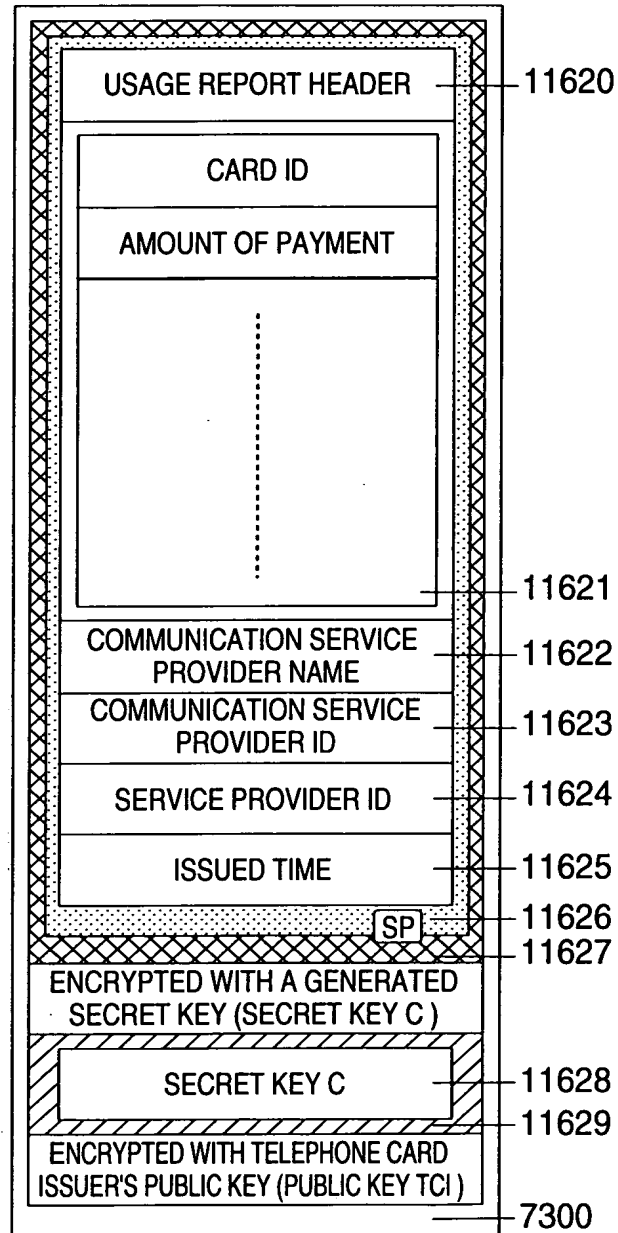


FIG.117A

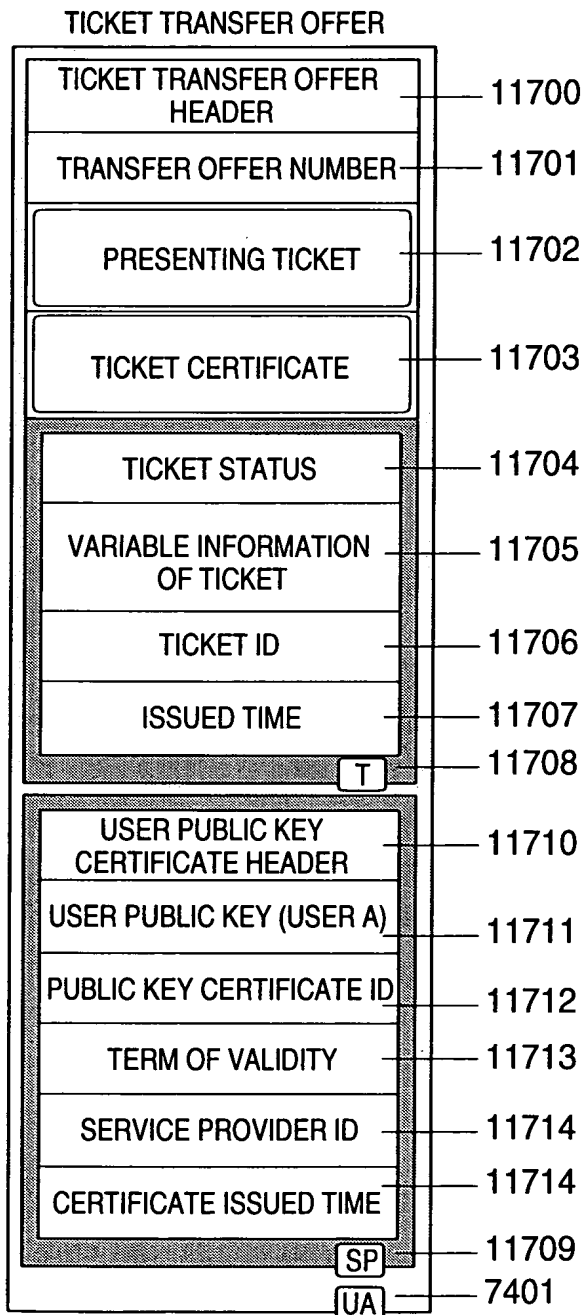
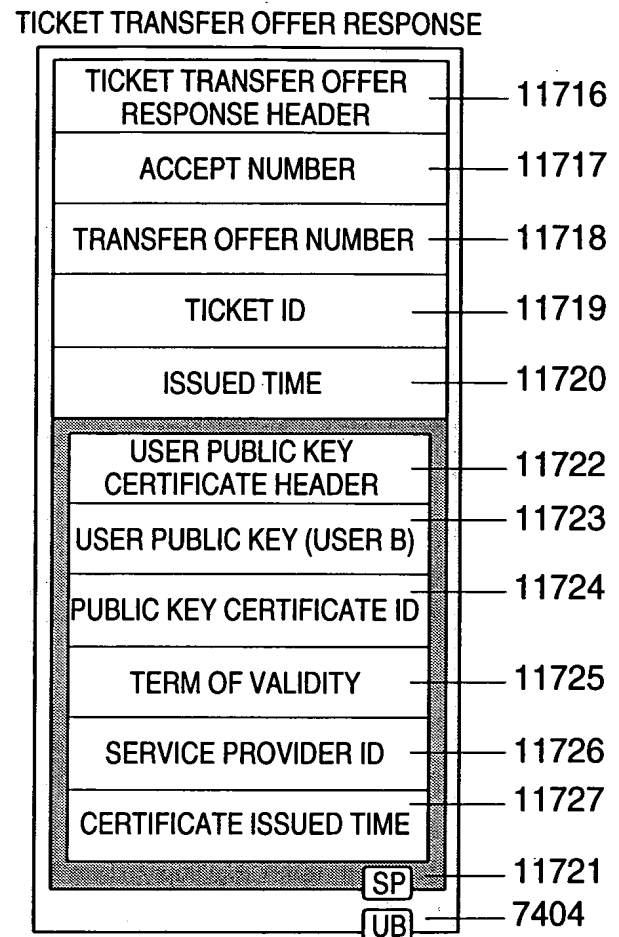


FIG.117B



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FIG.118A

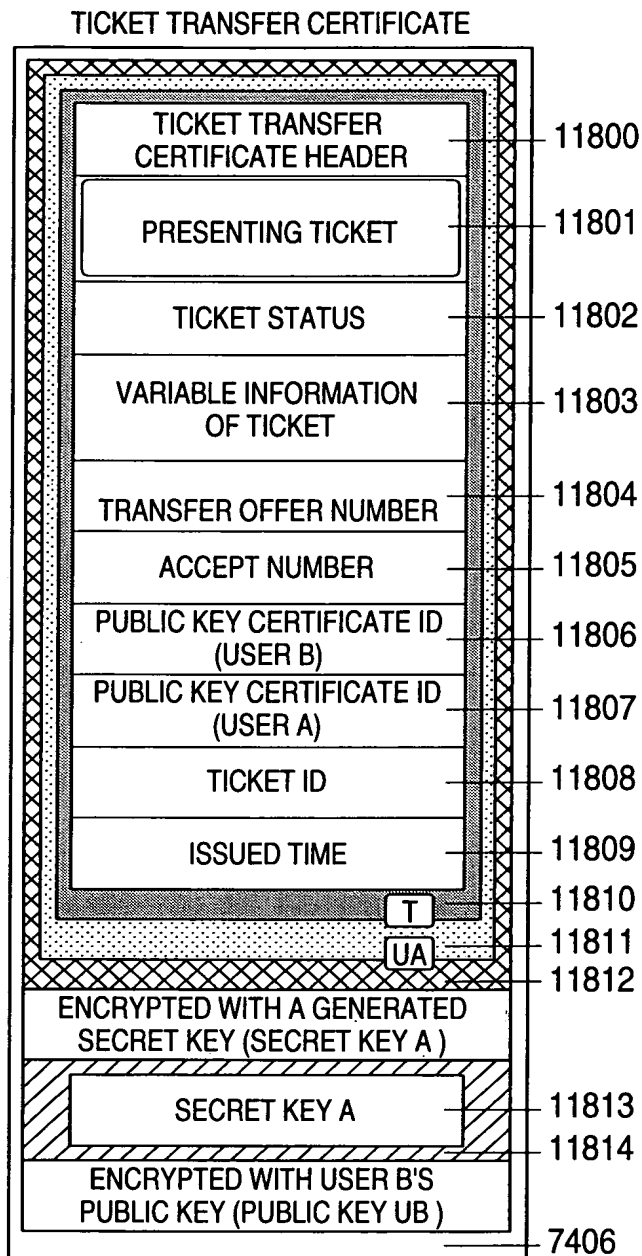


FIG.118B

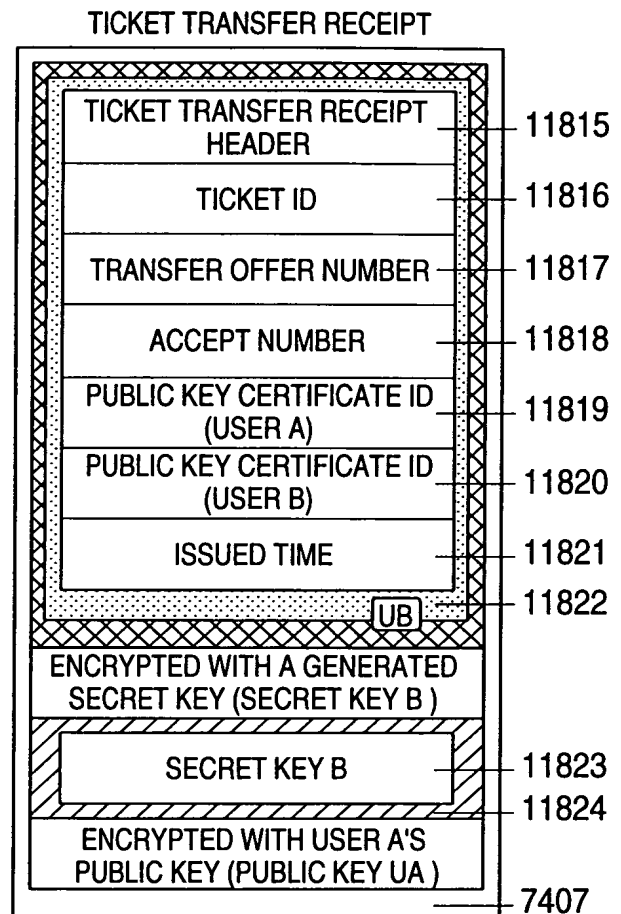


FIG.119A

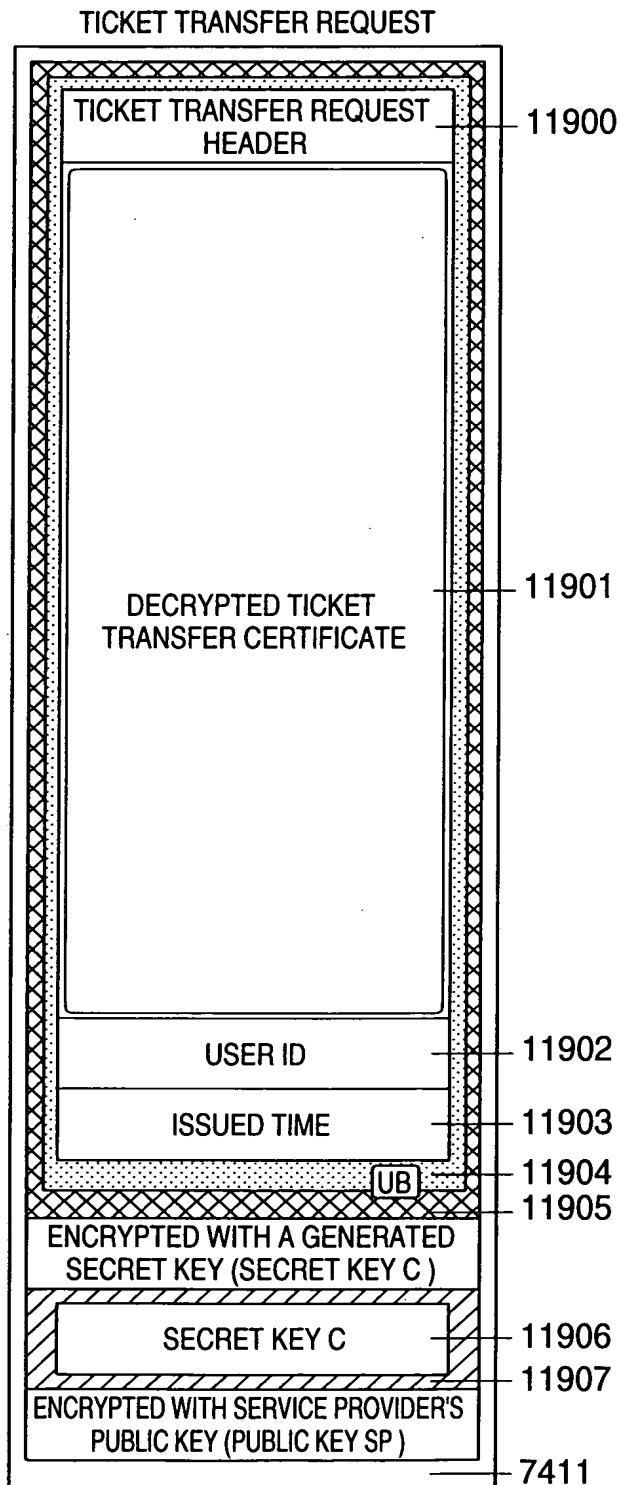


FIG.119B

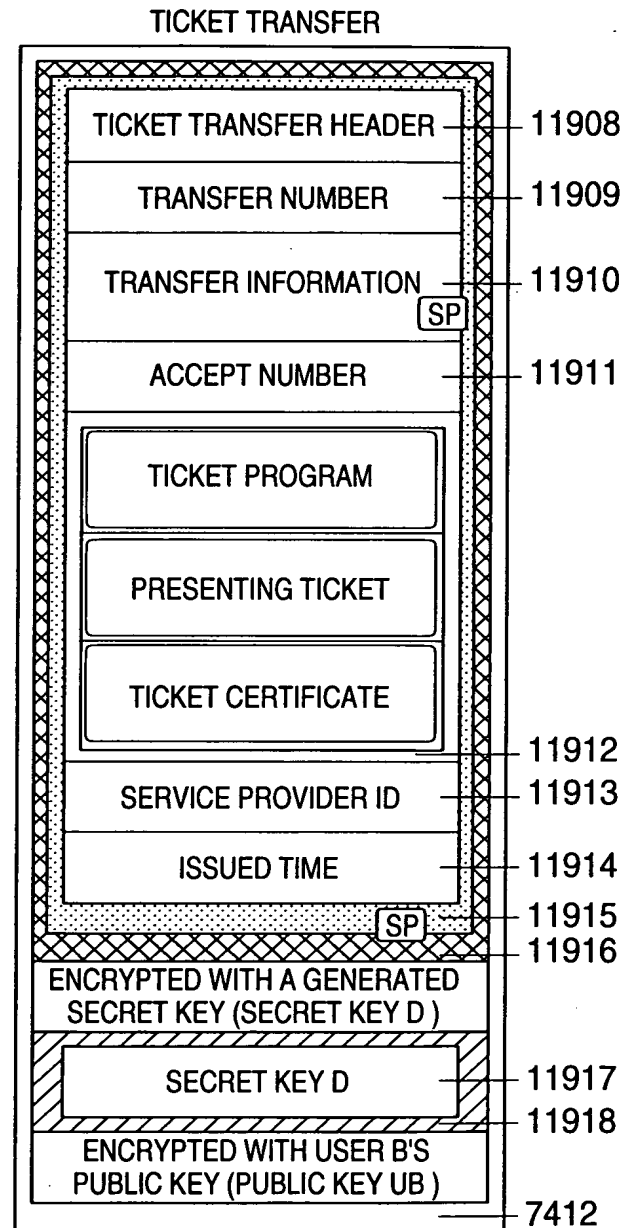


FIG.120A

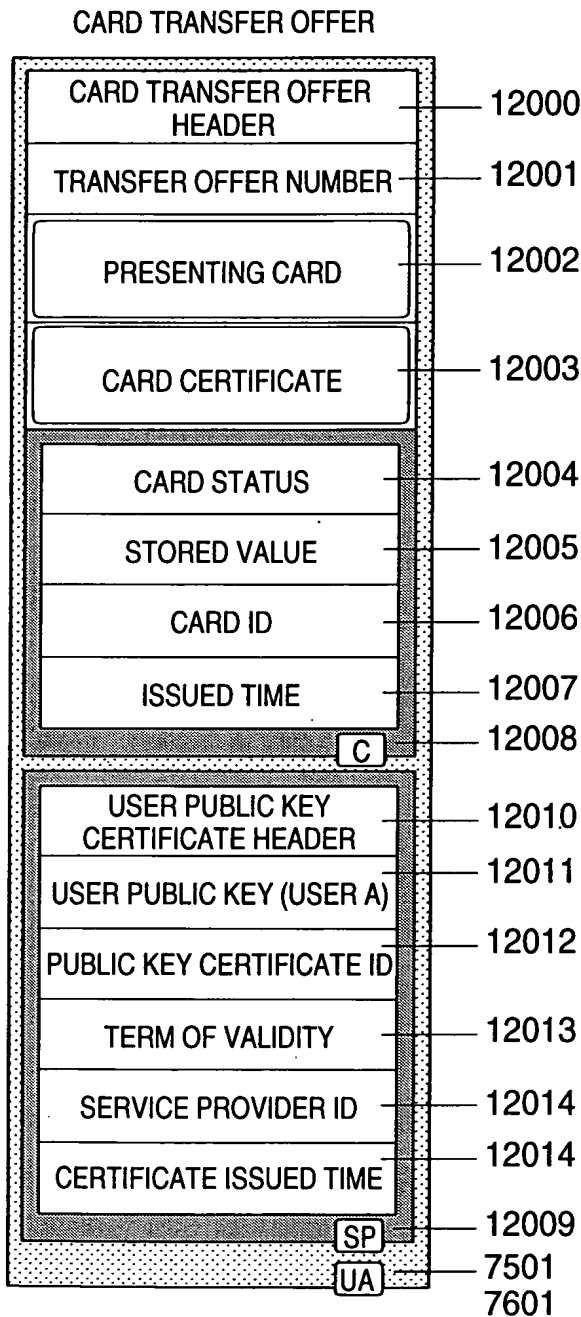
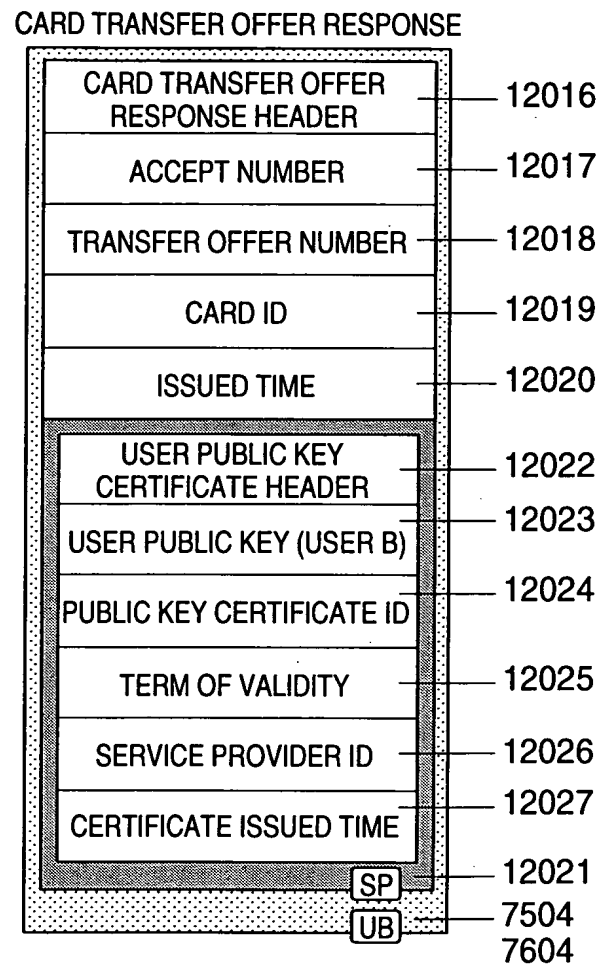
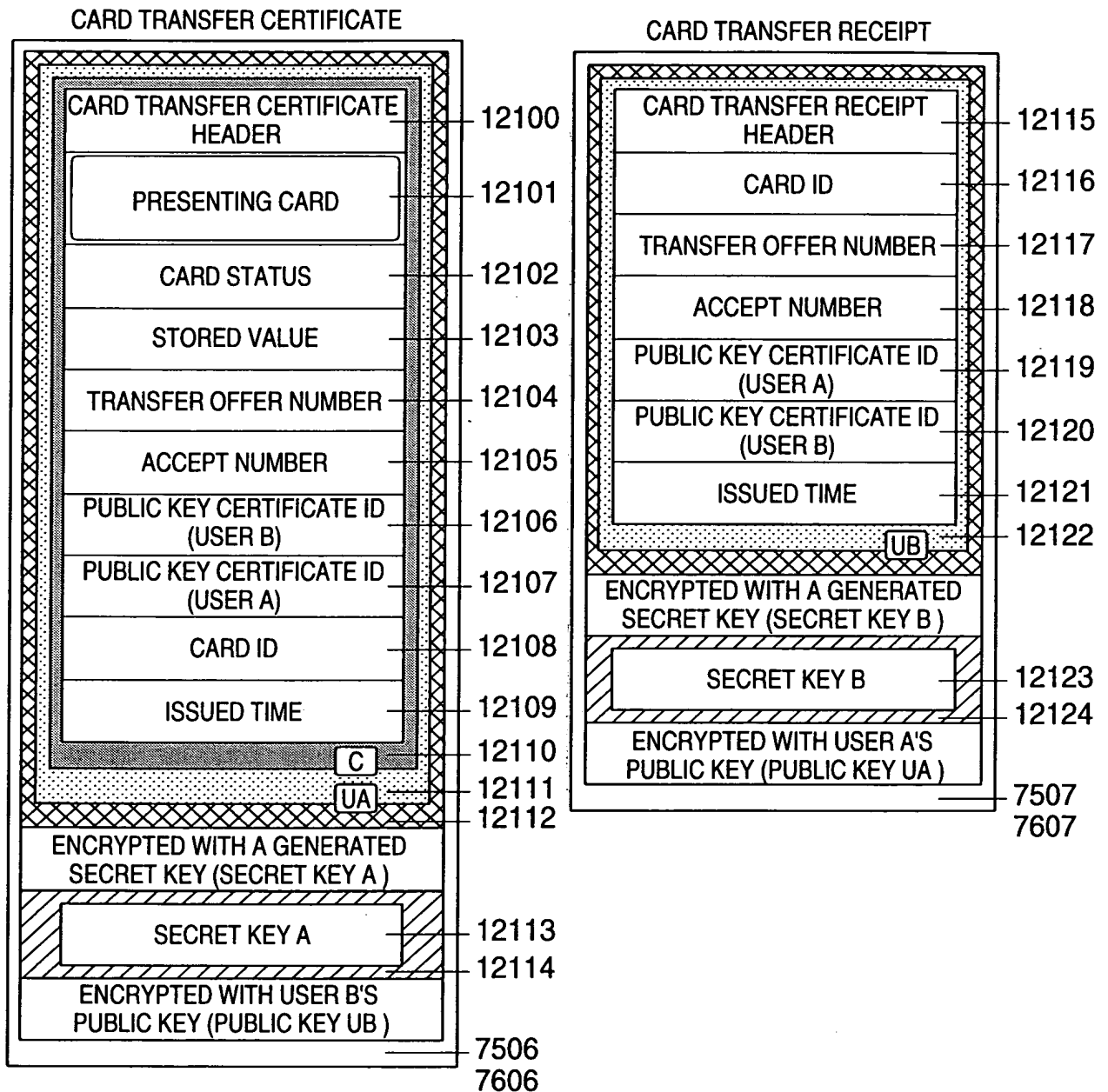


FIG.120B



**FIG.121A**

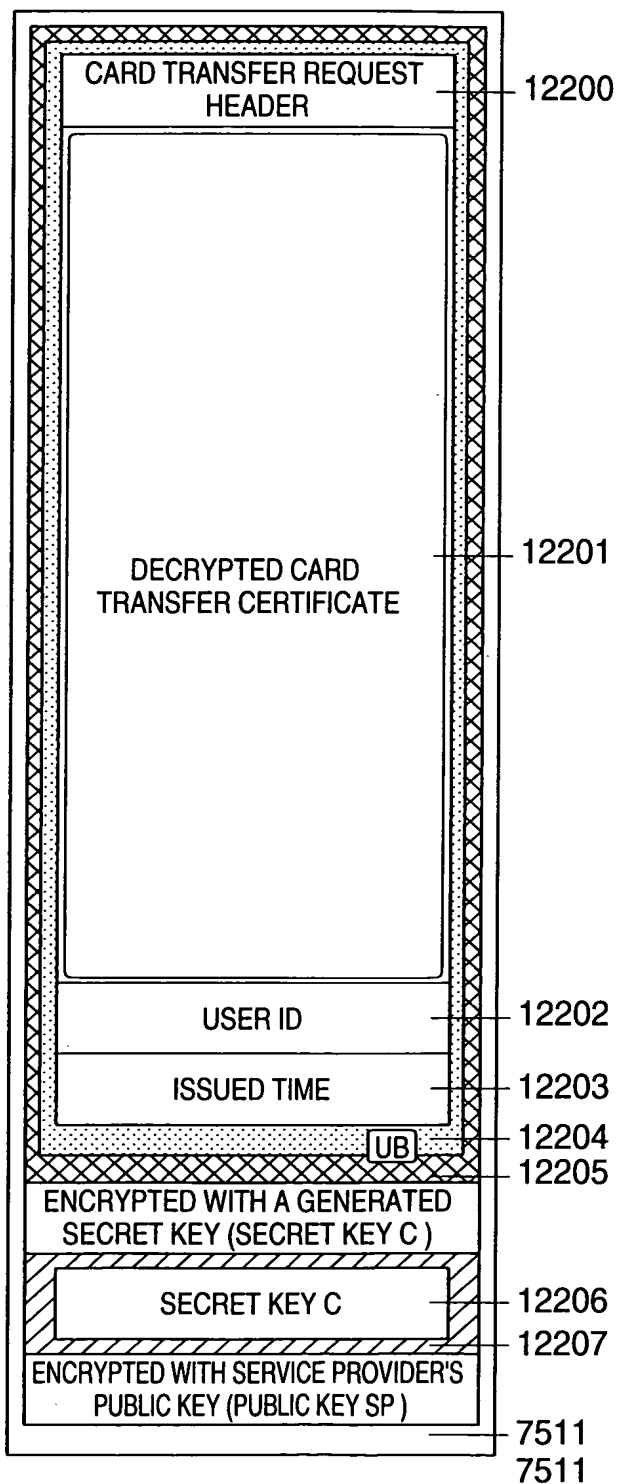
FIG. 121B



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FIG.122A

## CARD TRANSFER REQUEST





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FIG.122B

FIG.122C

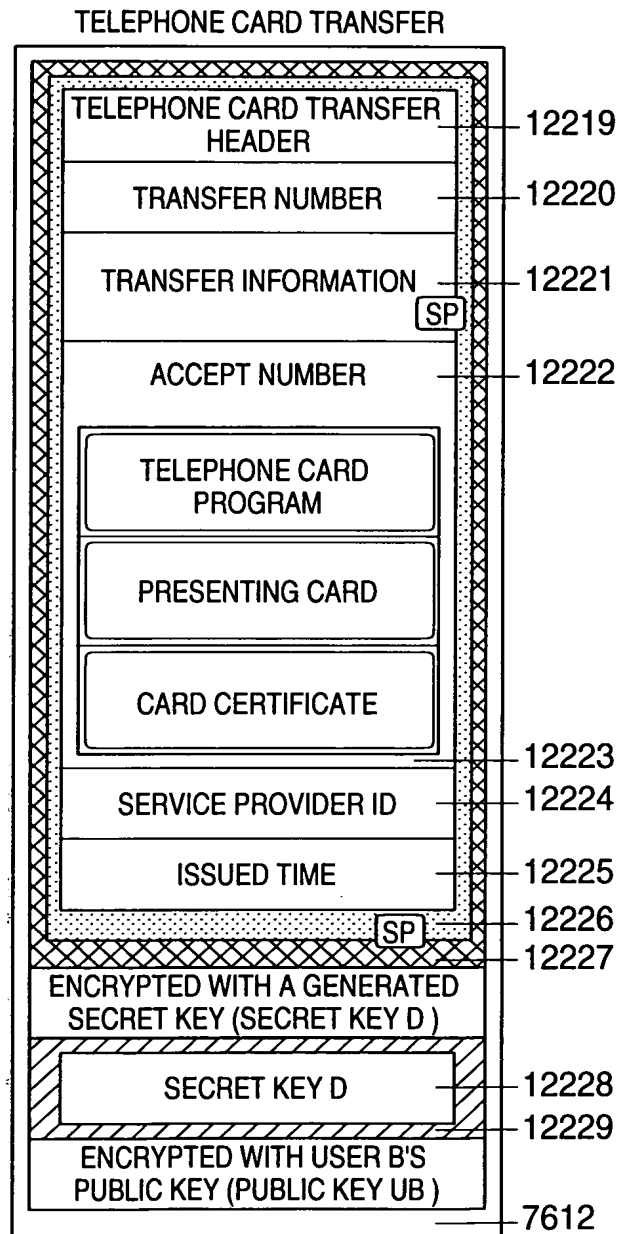
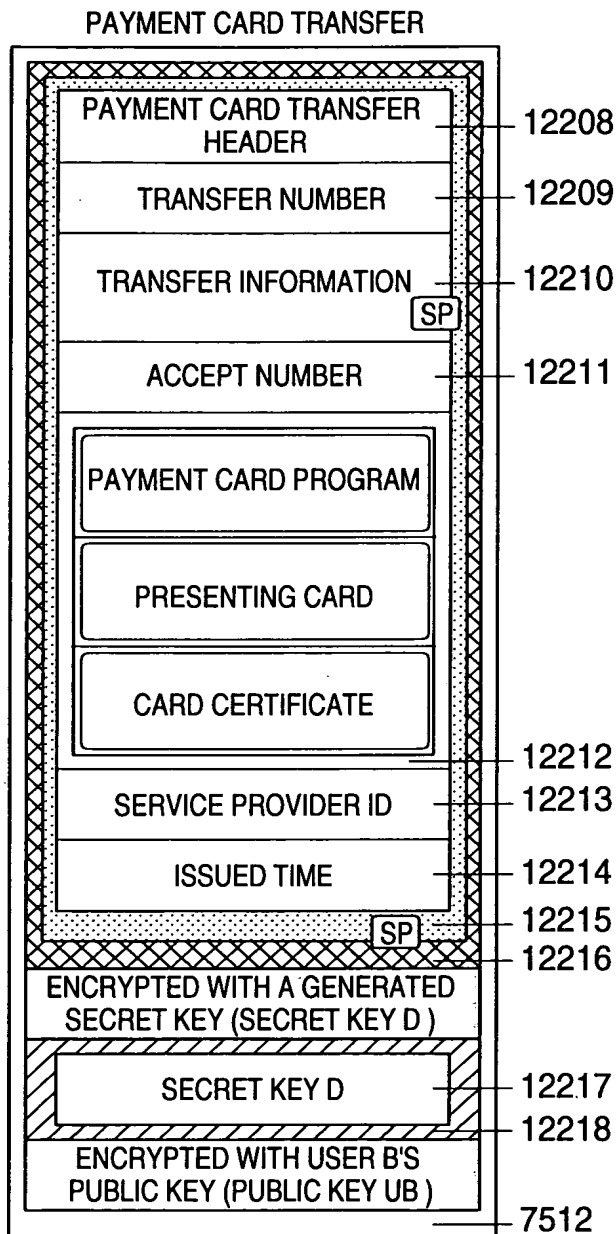


FIG.123A

ELECTRONIC TICKET INSTALLATION REQUEST

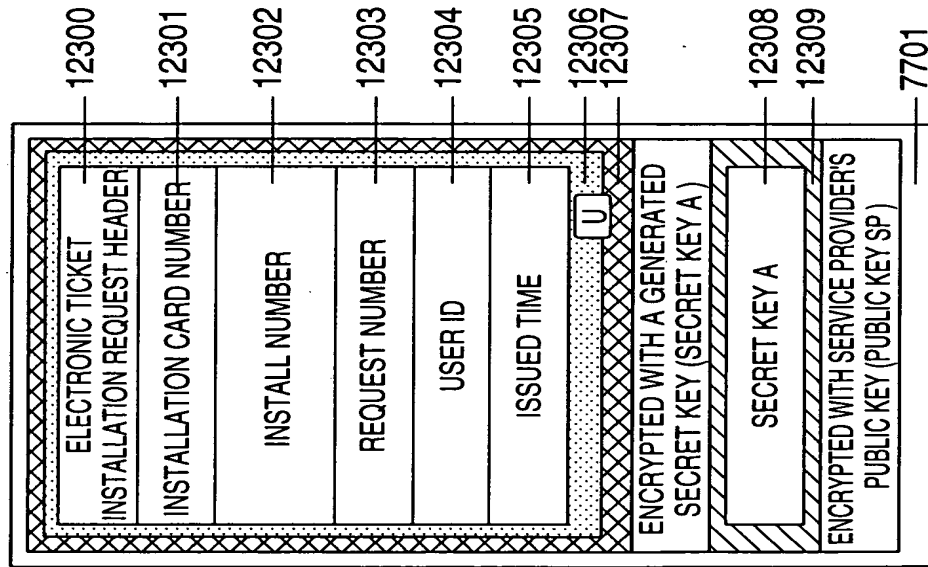
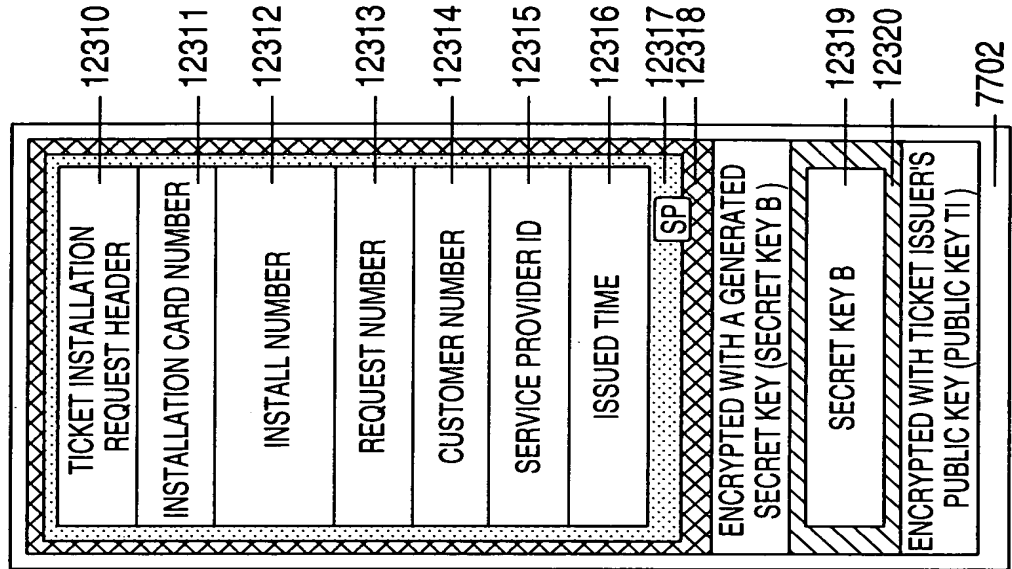


FIG.123B

TICKET INSTALLATION REQUEST



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FIG.124A

## ELECTRONIC TICKET INSTALL COMMISSION

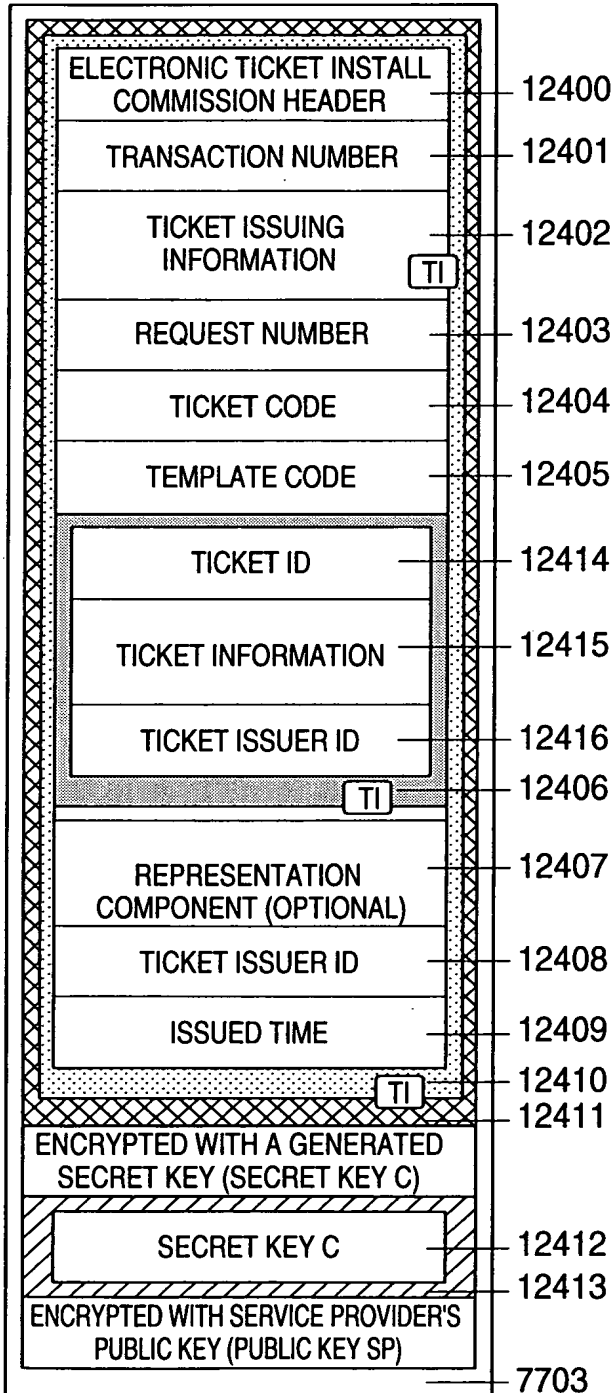


FIG.124B

## ELECTRONIC TICKET INSTALL

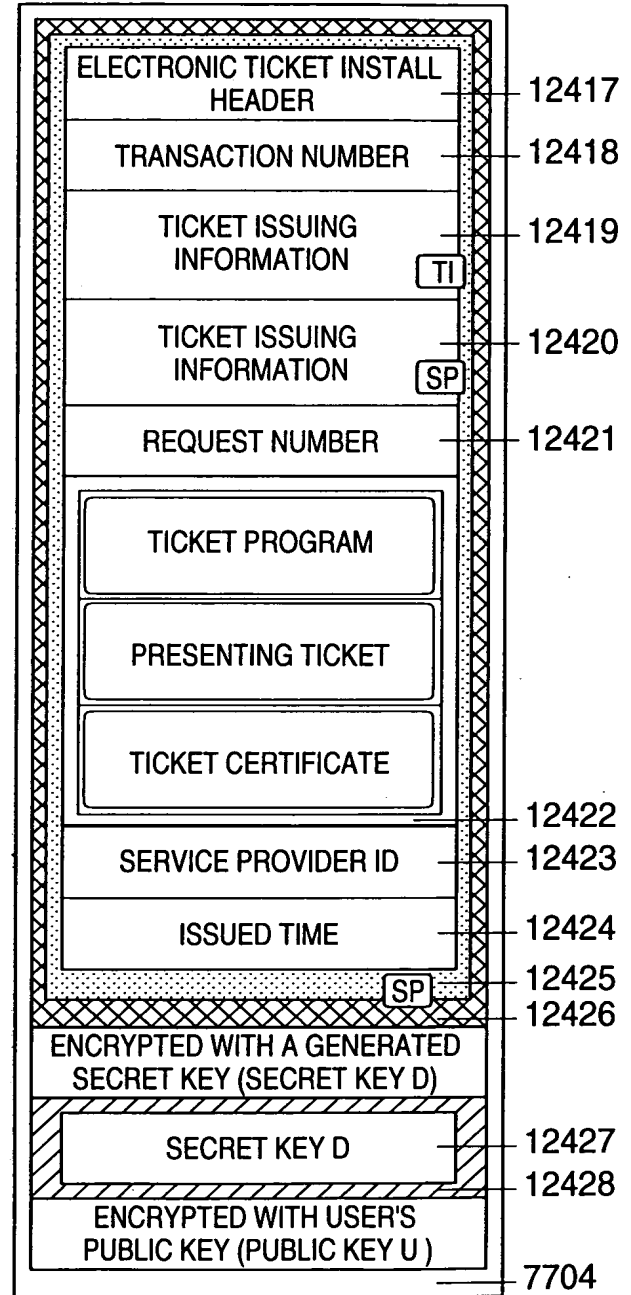


FIG.125A

ELECTRONIC PAYMENT CARD INSTALLATION REQUEST

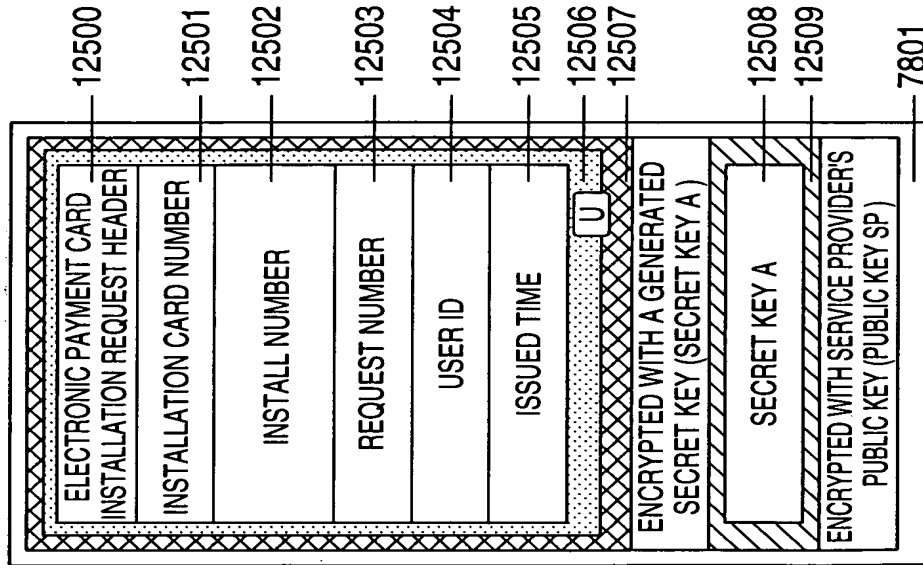
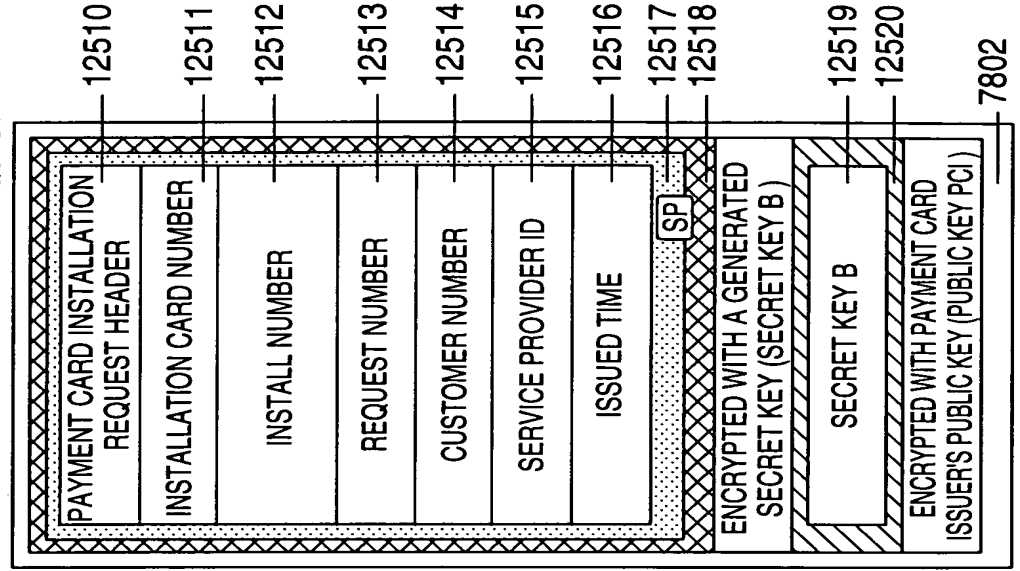


FIG.125B

PAYMENT CARD INSTALLATION REQUEST



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FIG.126A

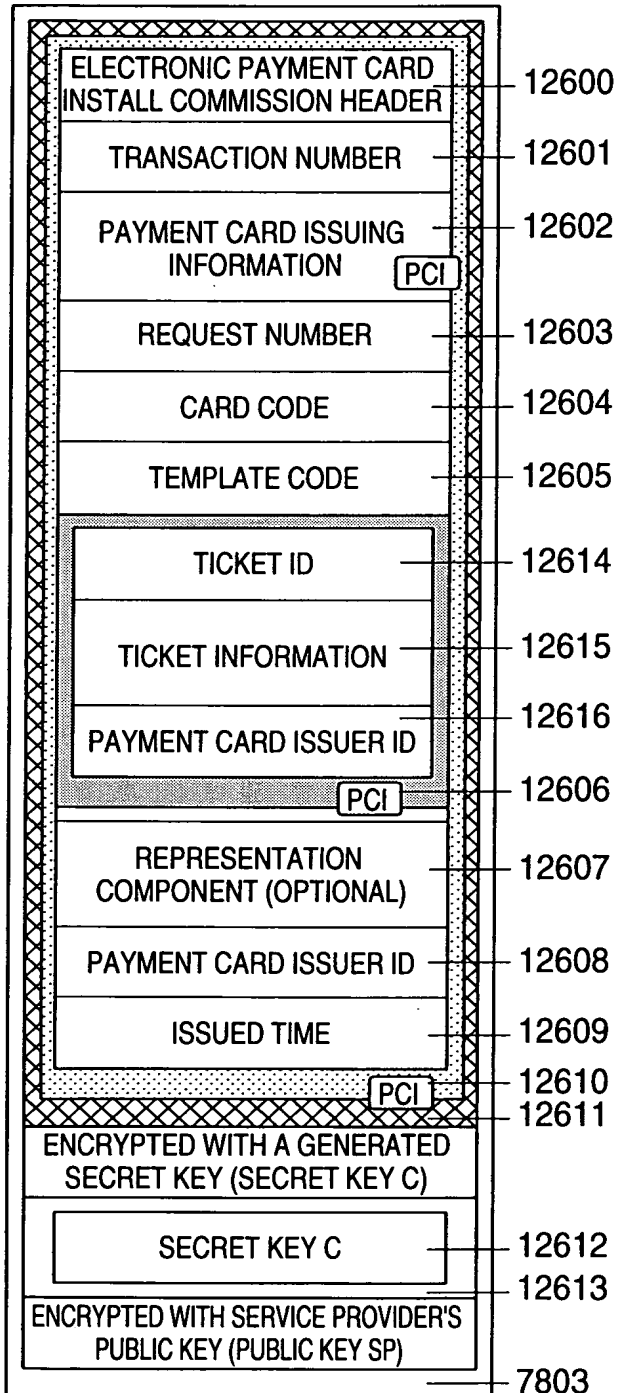
ELECTRONIC PAYMENT CARD  
INSTALL COMMISSION

FIG.126B

## ELECTRONIC PAYMENT CARD INSTALL

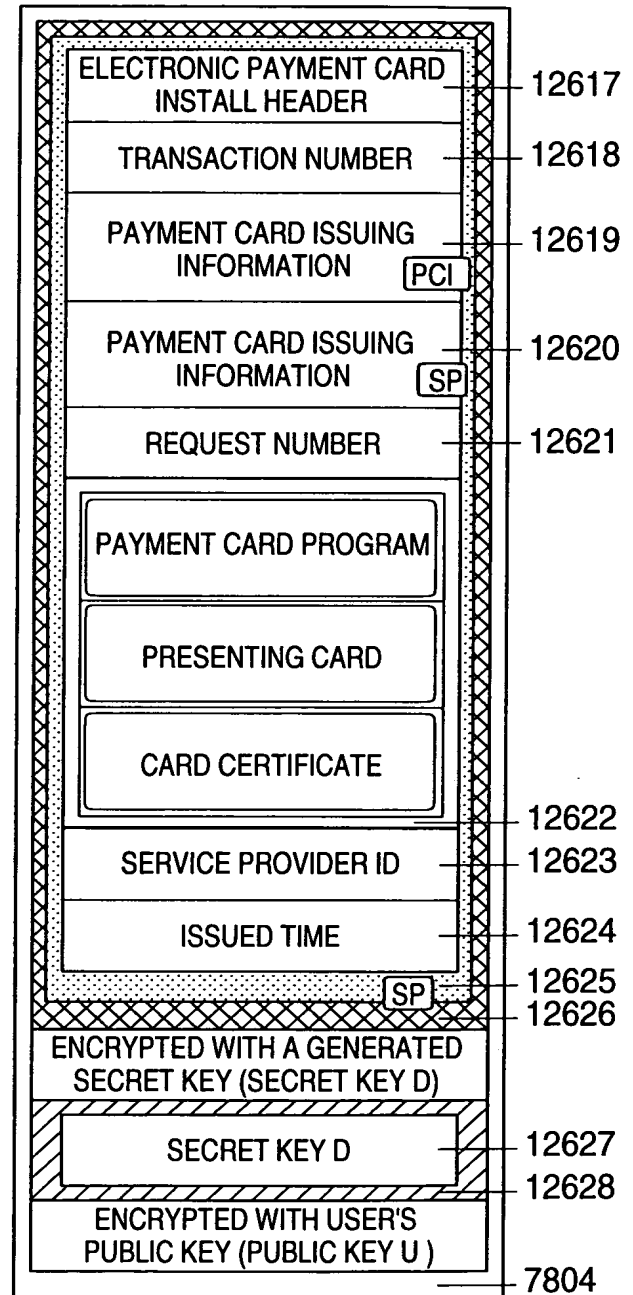


FIG.127A

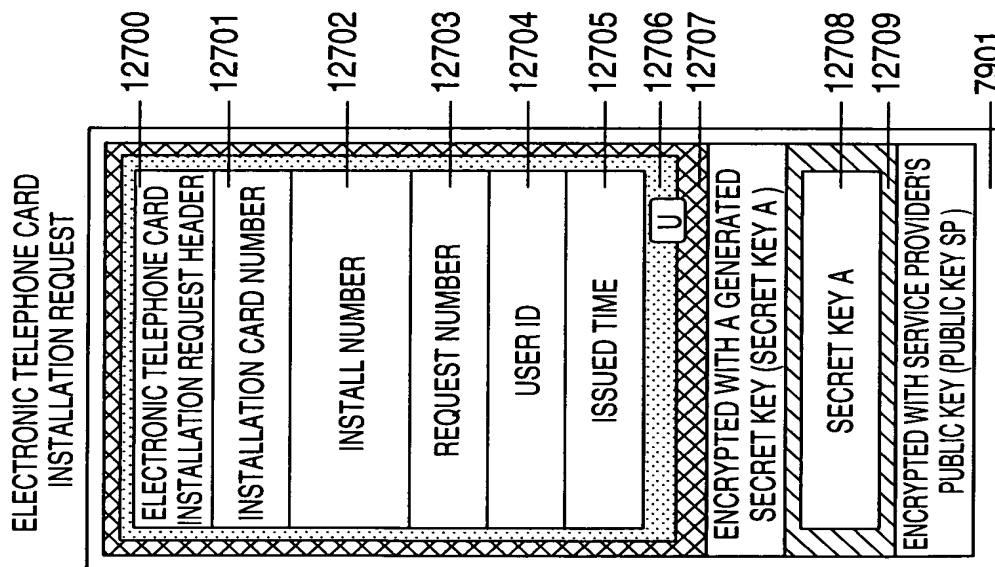


FIG.127B

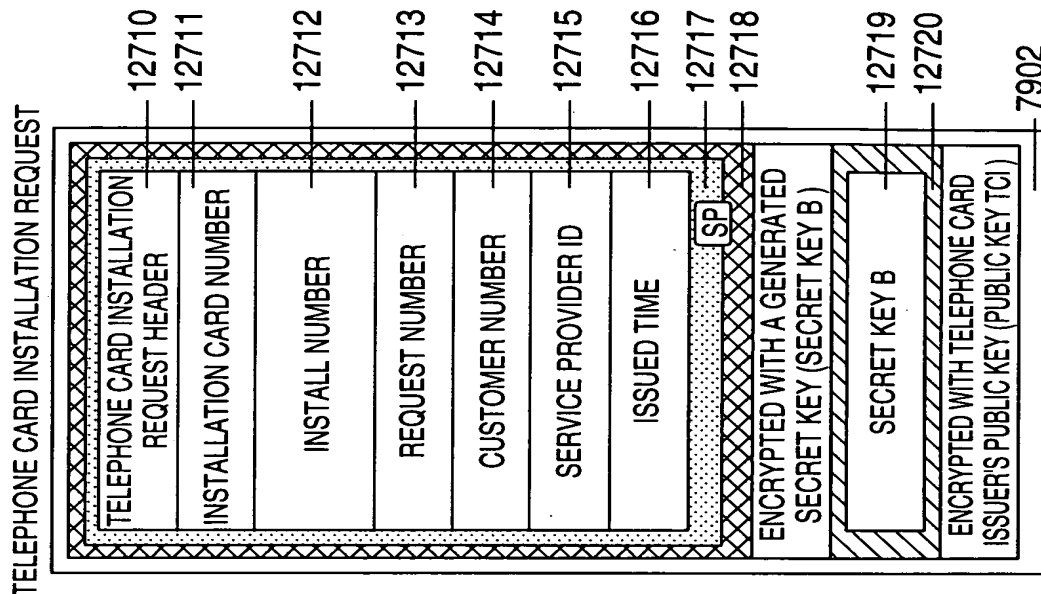


FIG.128A

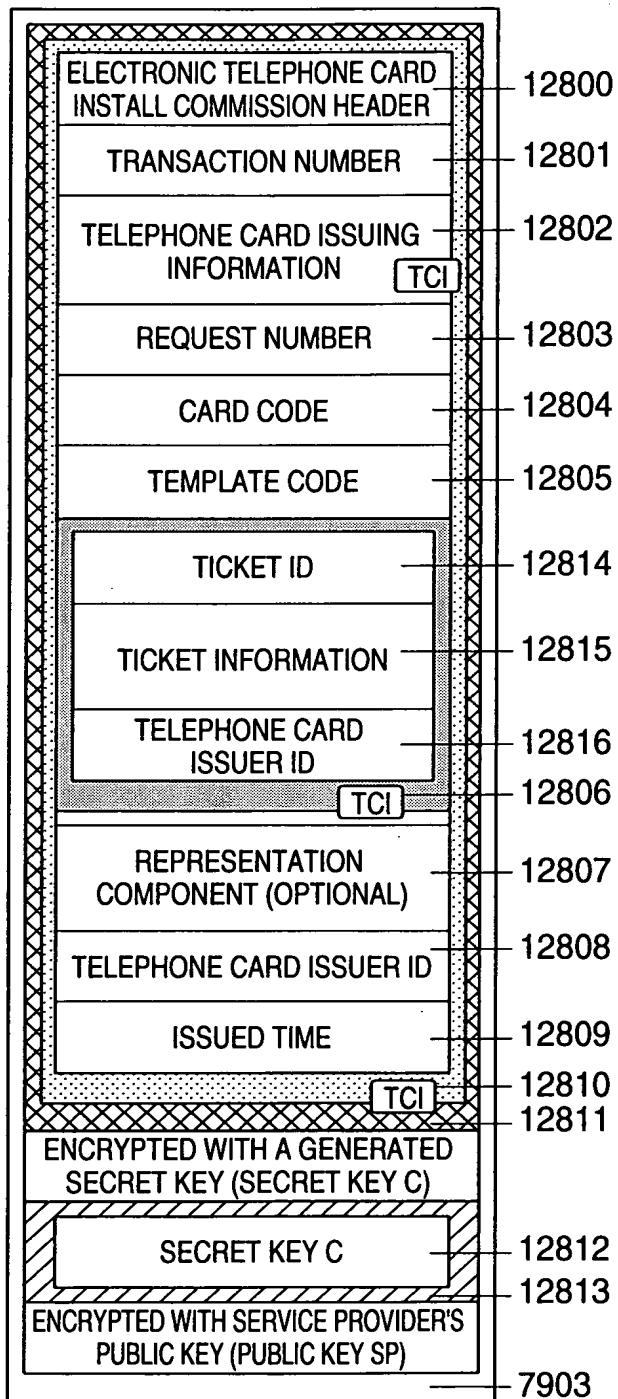
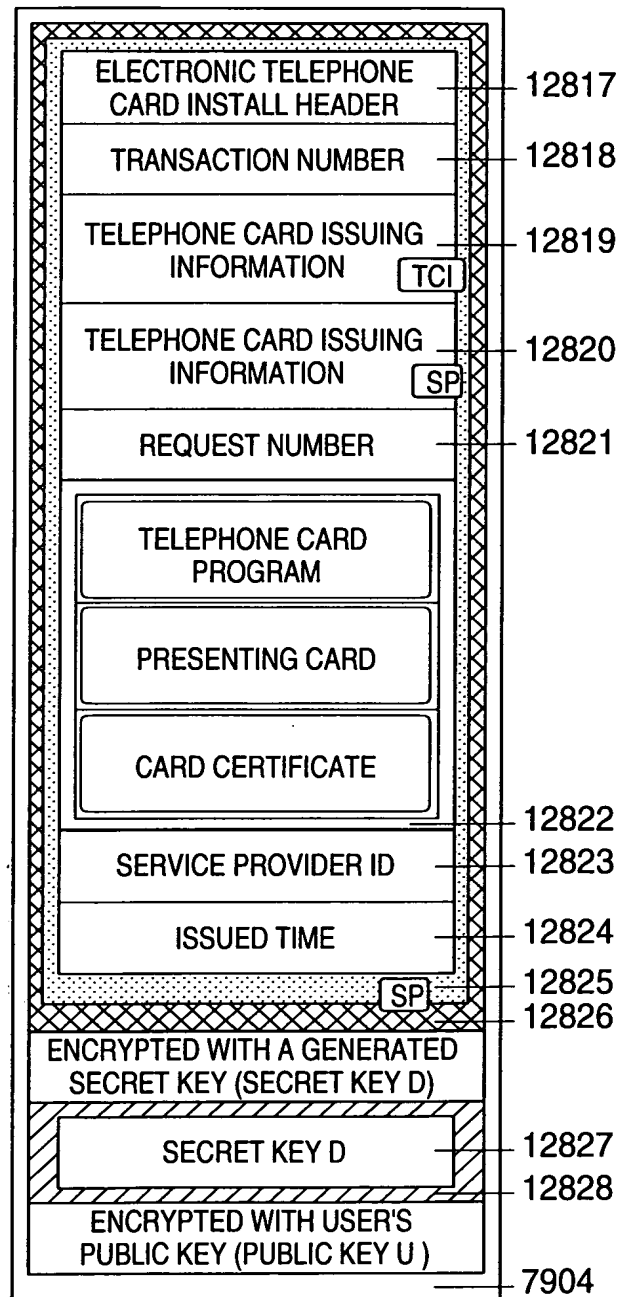
ELECTRONIC TELEPHONE CARD  
INSTALL COMMISSION

FIG.128B

## ELECTRONIC TELEPHONE CARD INSTALL



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FIG.129A

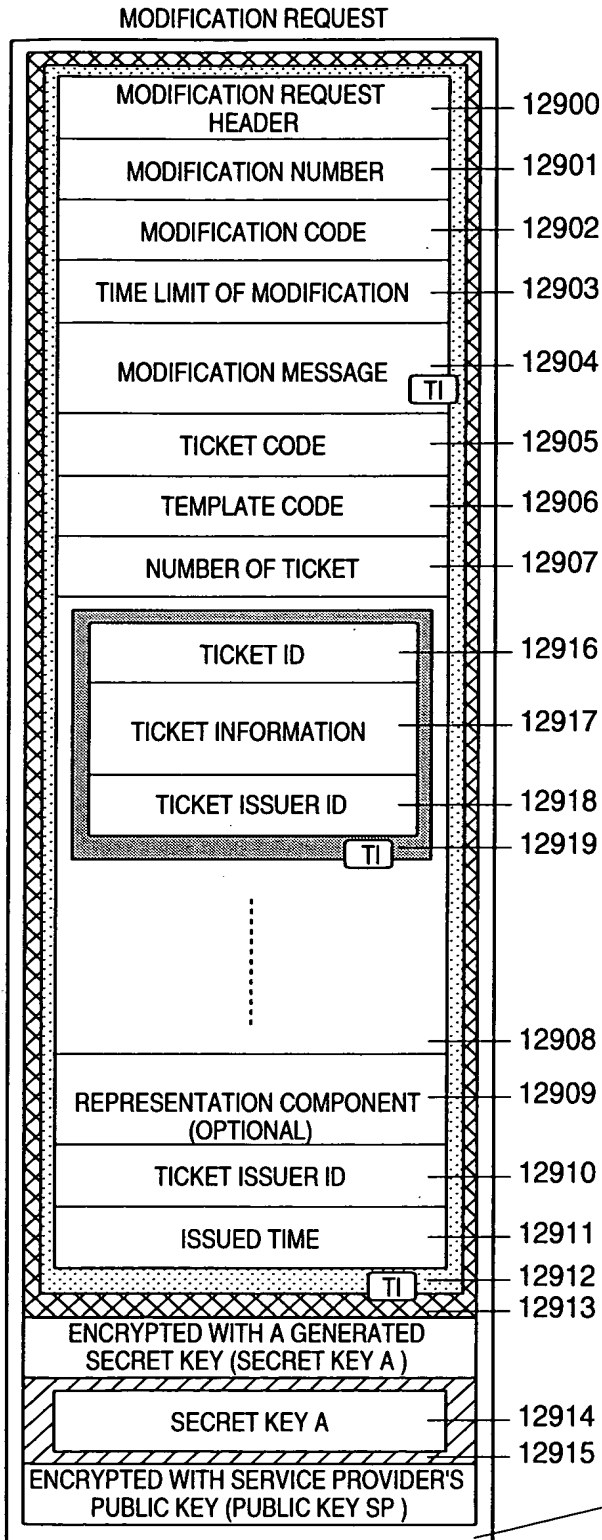
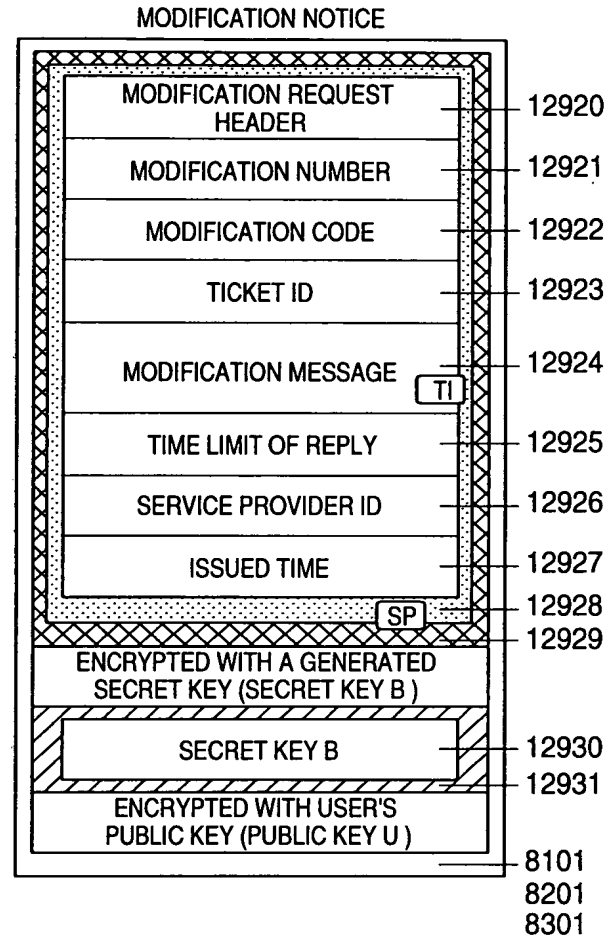


FIG.129B





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FIG.130A

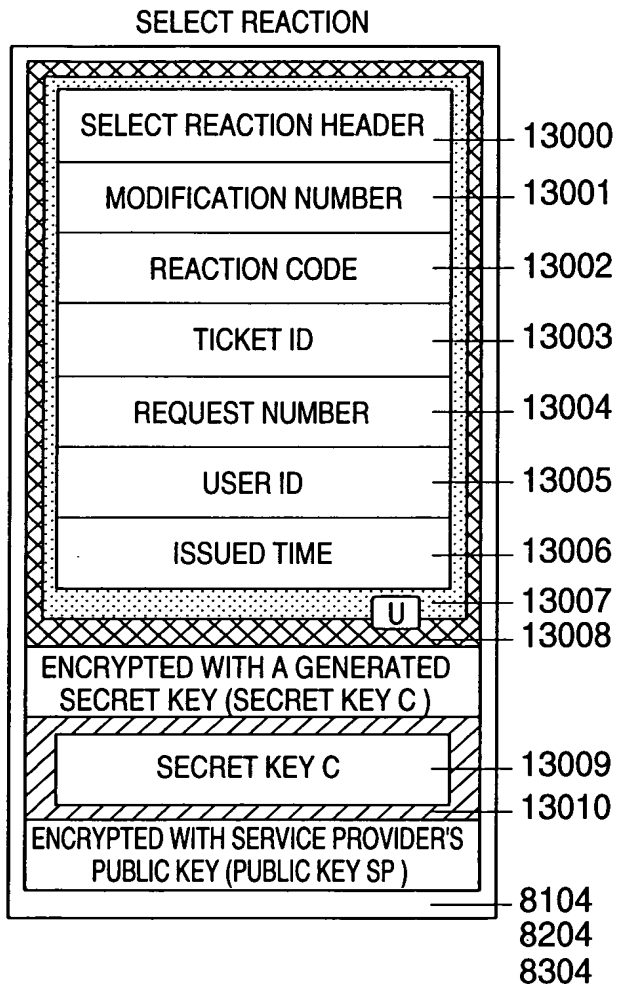


FIG.130B

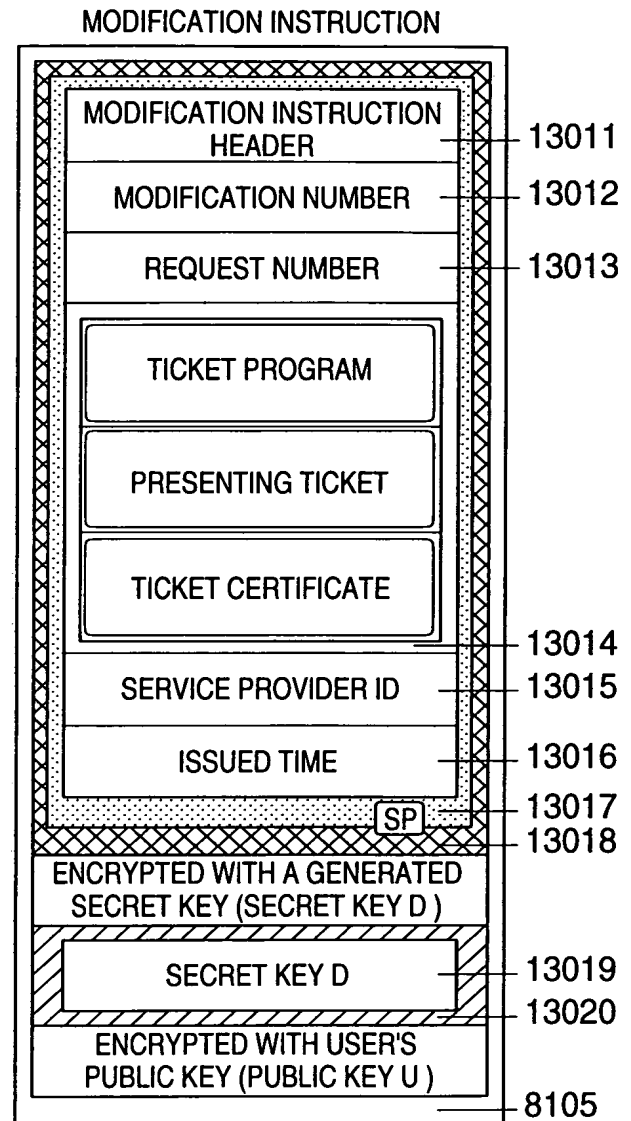


FIG.131A

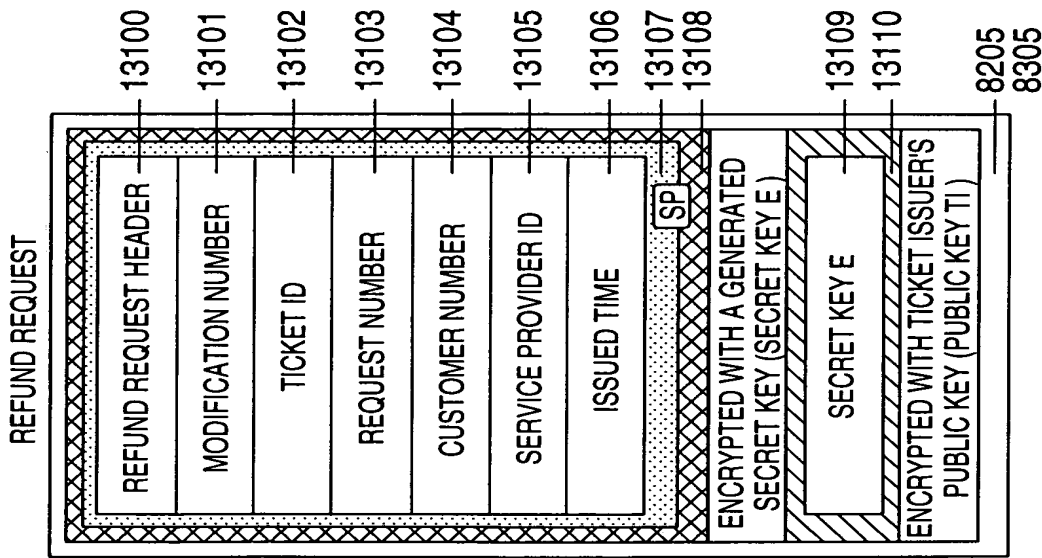


FIG.131B

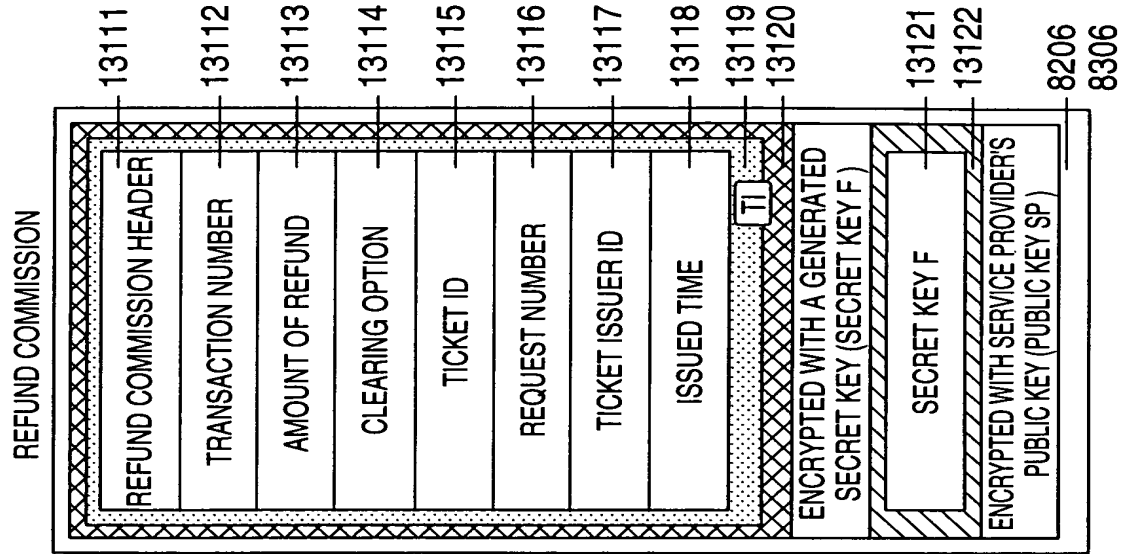


FIG.132A

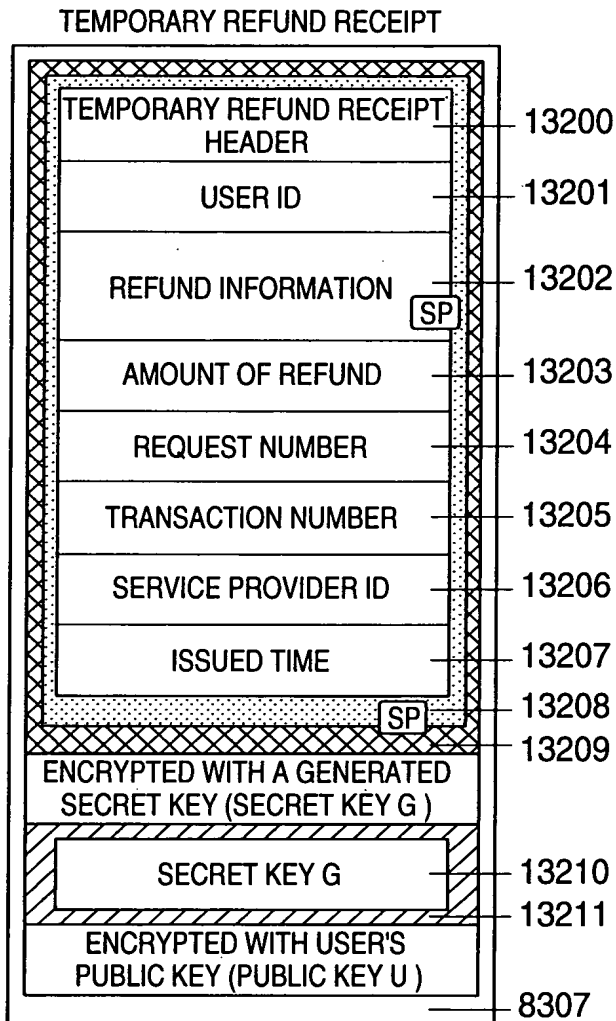


FIG.132B

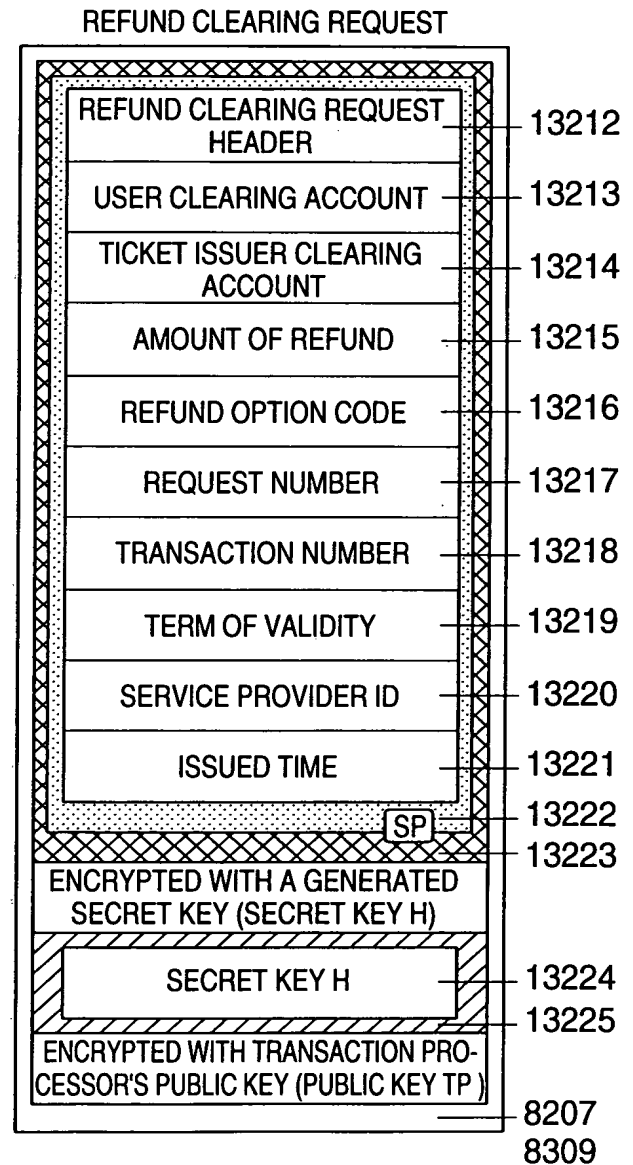


FIG.133A

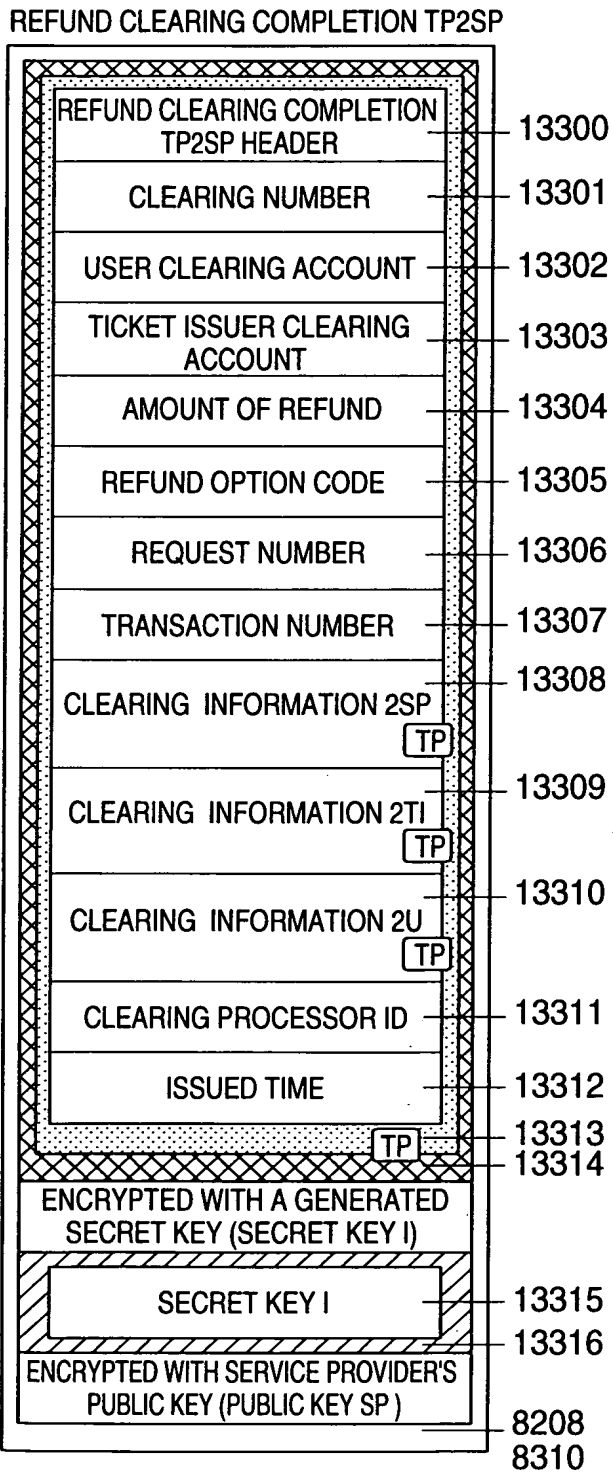
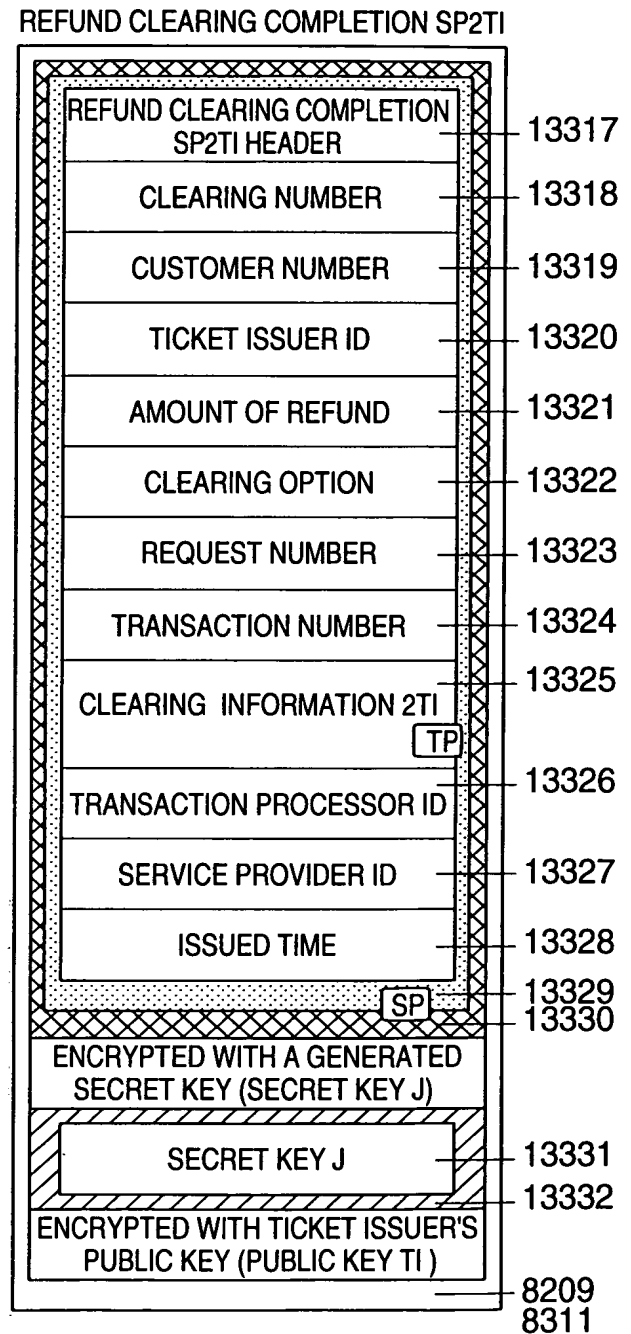


FIG.133B



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FIG.134A

REFUND RECEIPT TI2SP

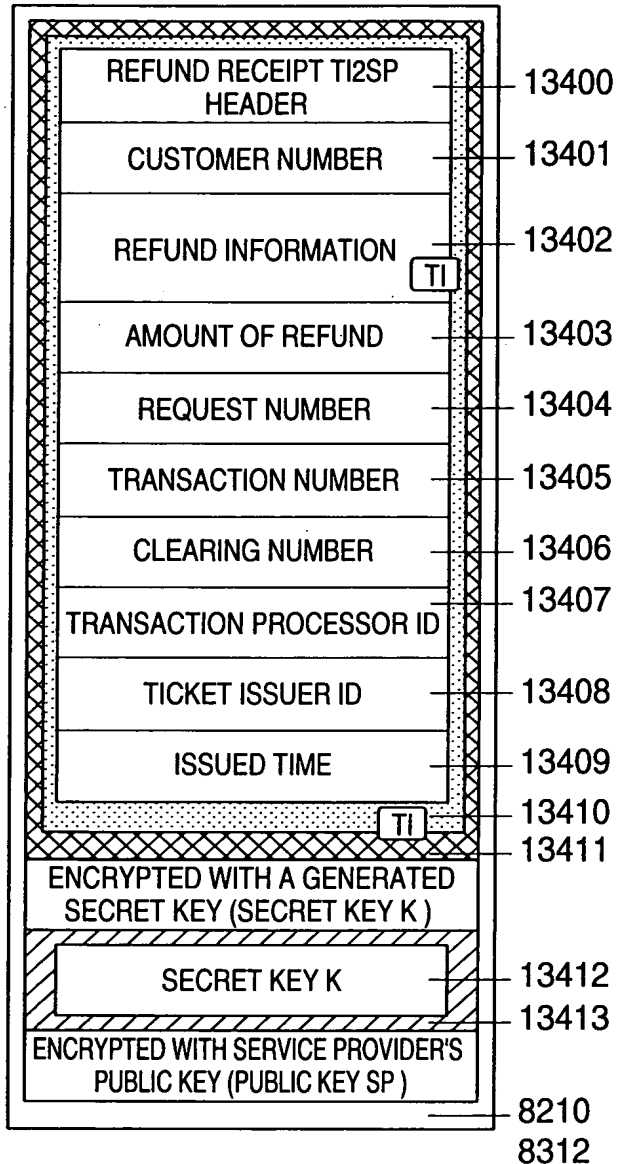


FIG.134B

REFUND RECEIPT SP2U

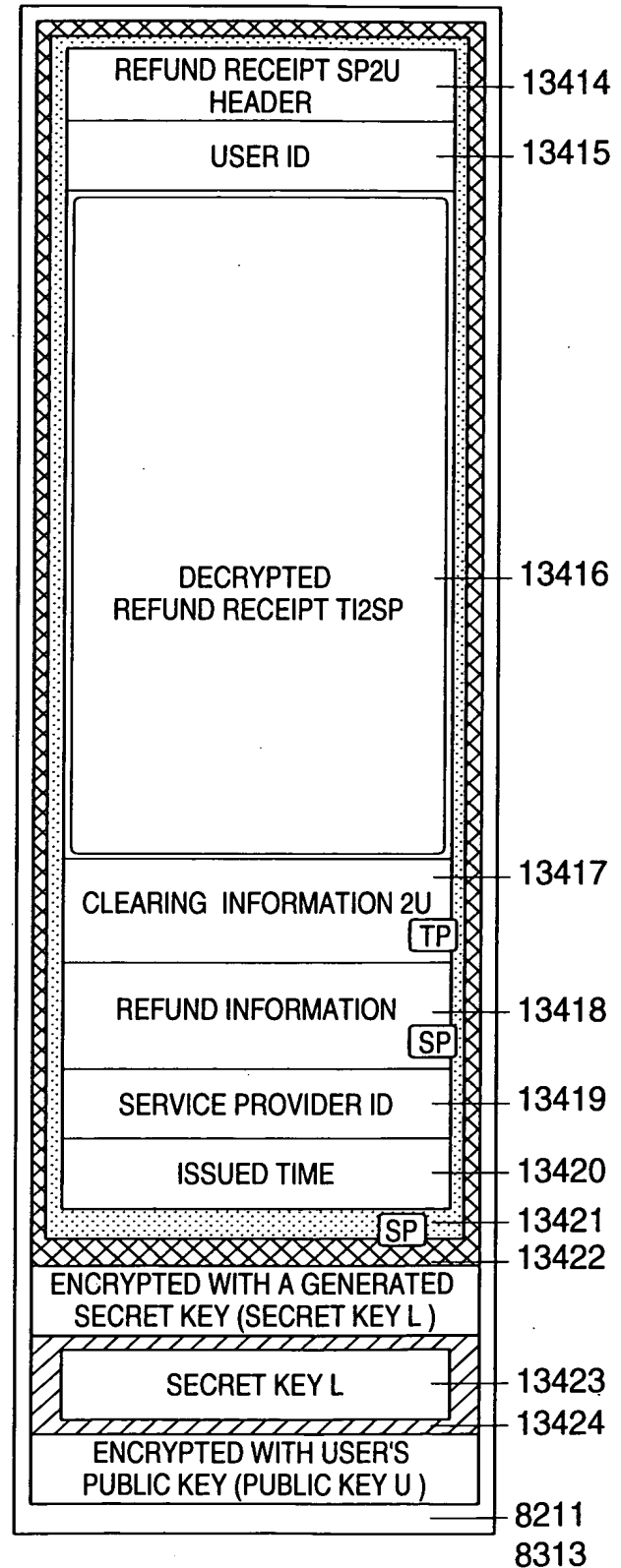


FIG.135A

PAYMENT OFFER

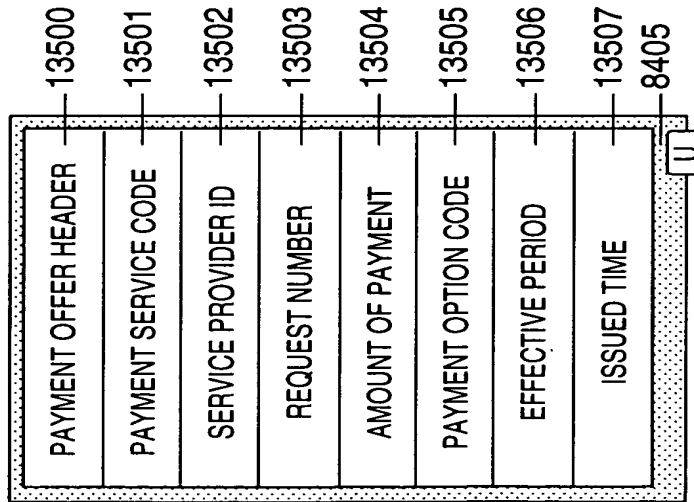


FIG.135B

PAYMENT OFFER RESPONSE

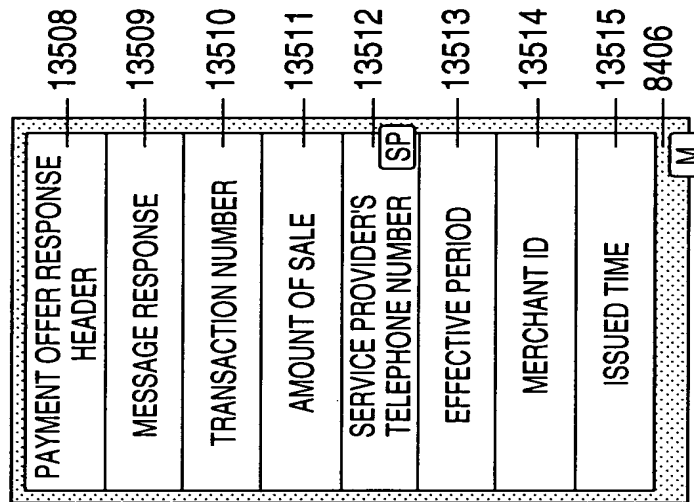


FIG.135C

AUTHORIZATION REQUEST

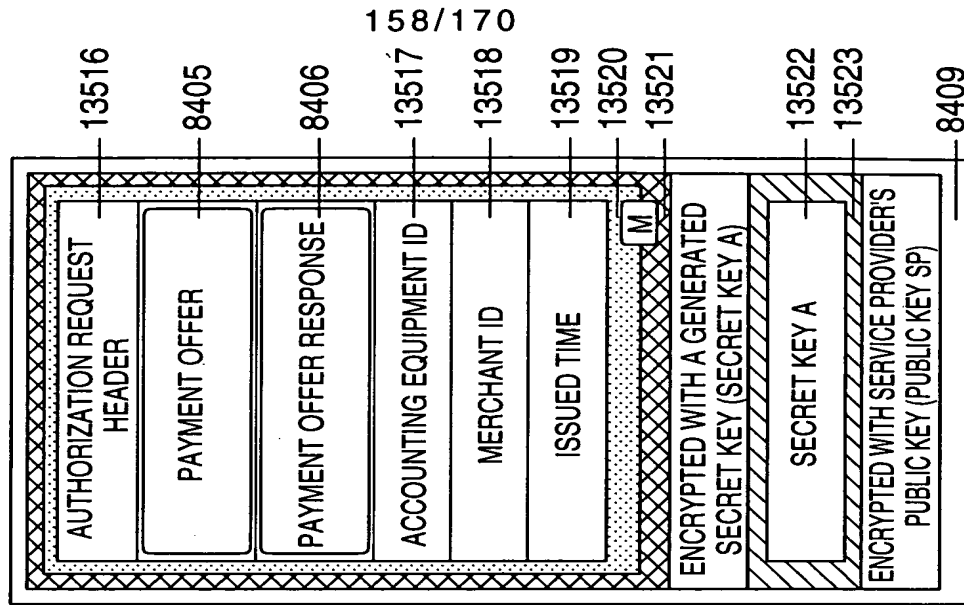


FIG.135D

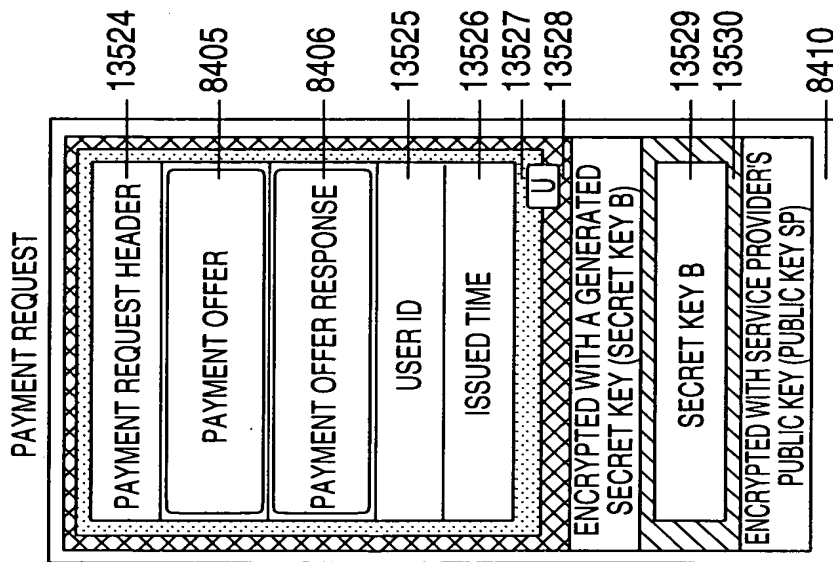


FIG.135E

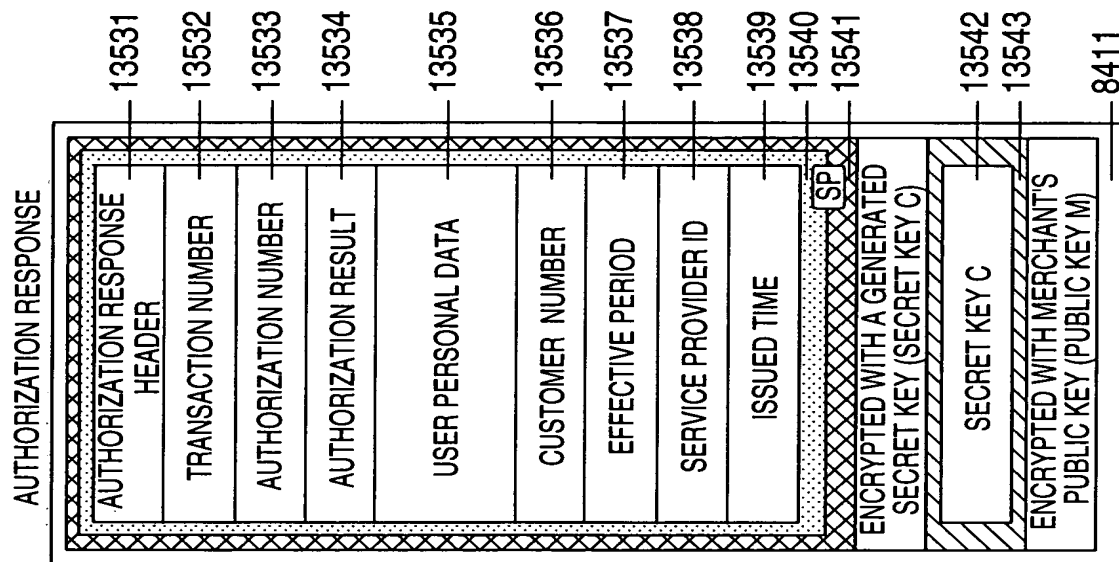


FIG.135F

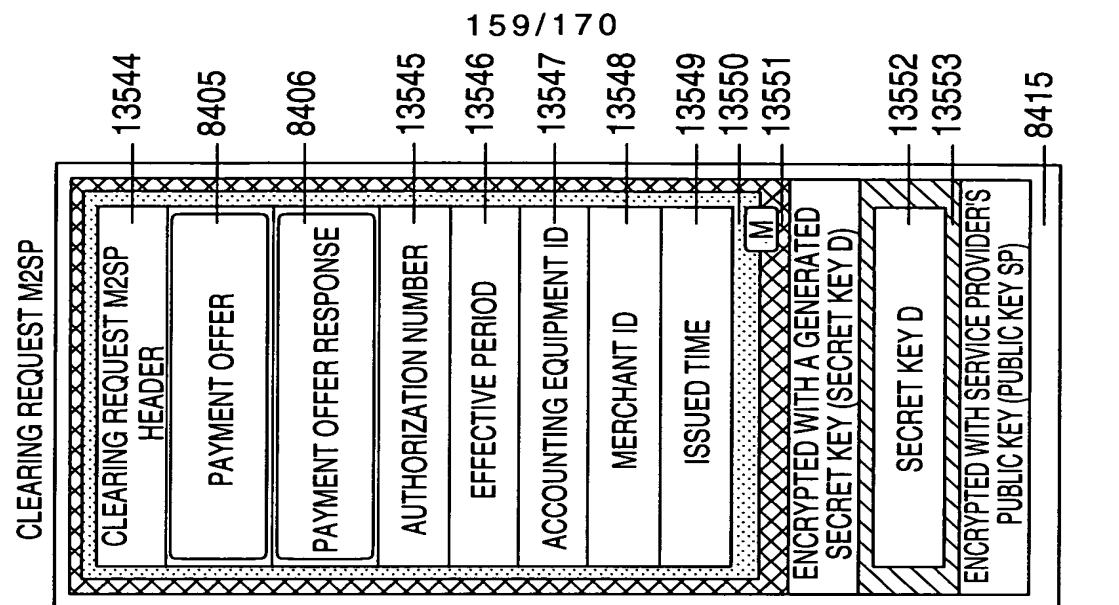


FIG.136A

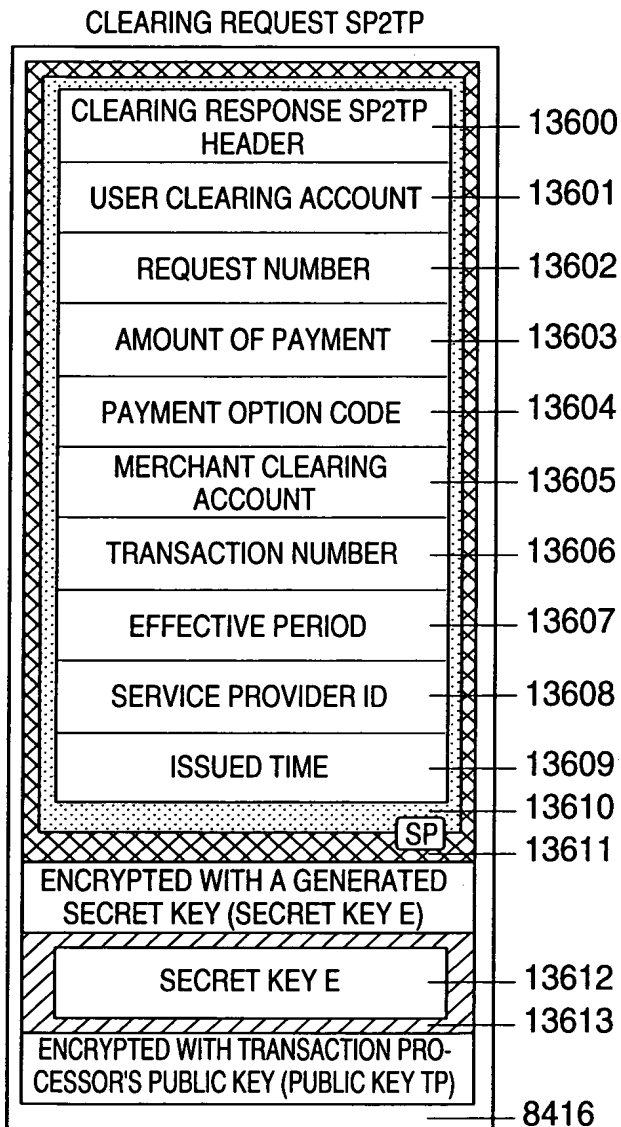


FIG.136B

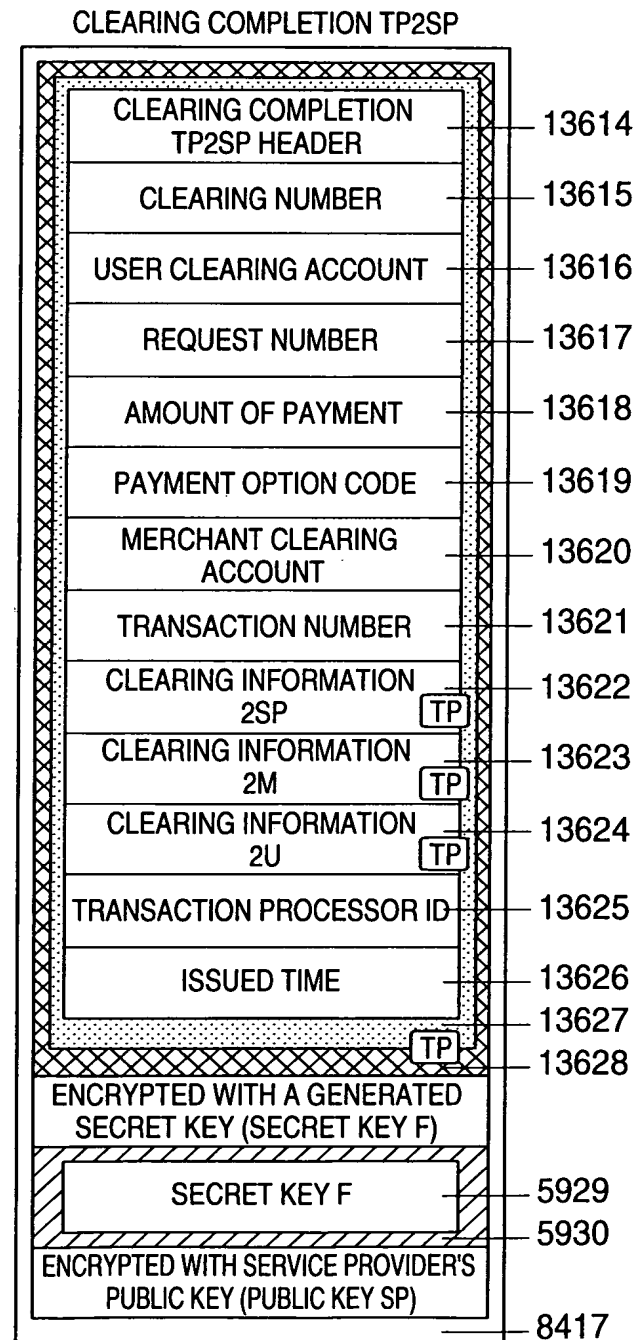




FIG.136C

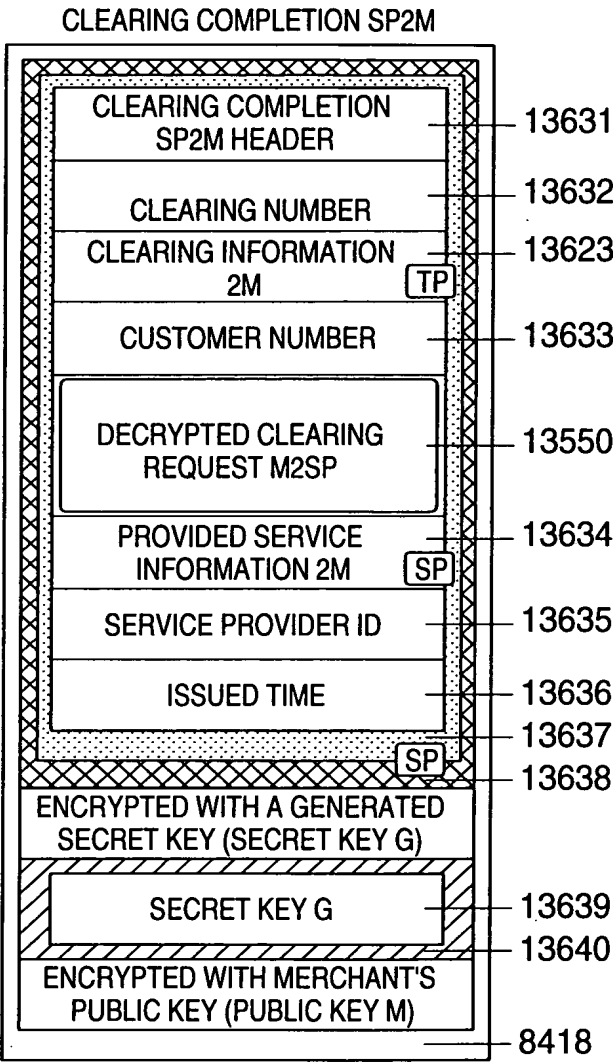


FIG.137A

FIG.137B

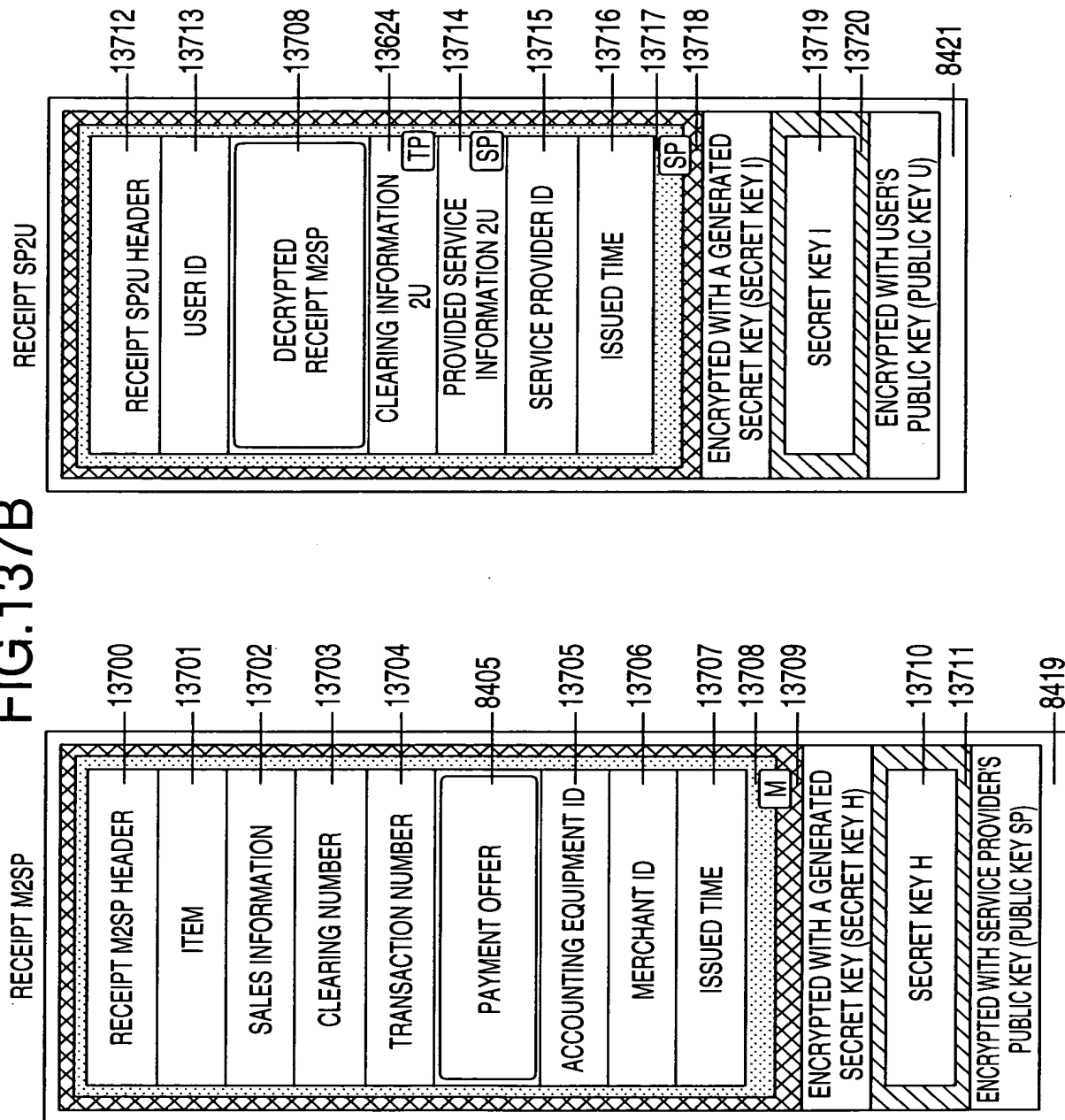
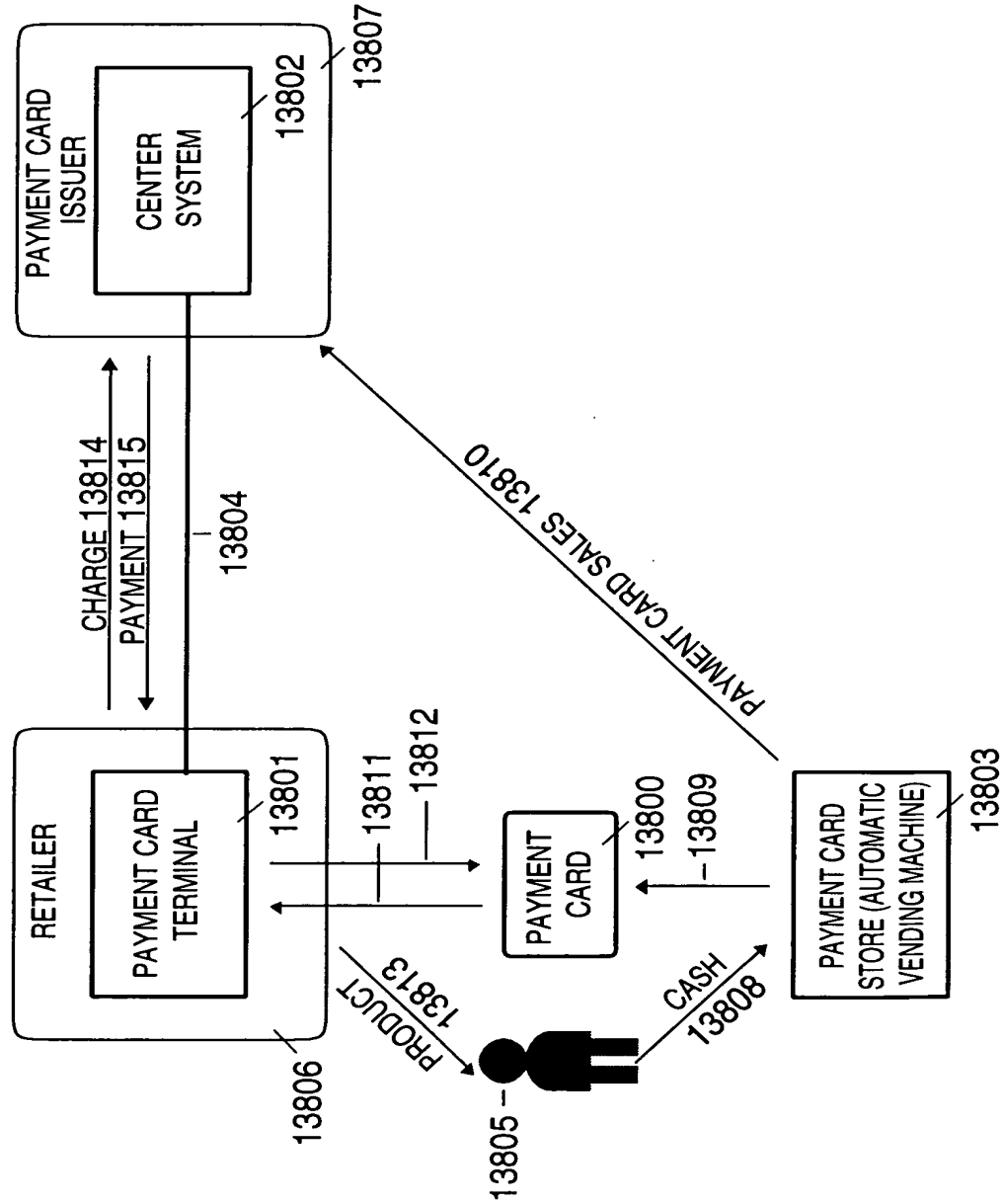


FIG. 138A



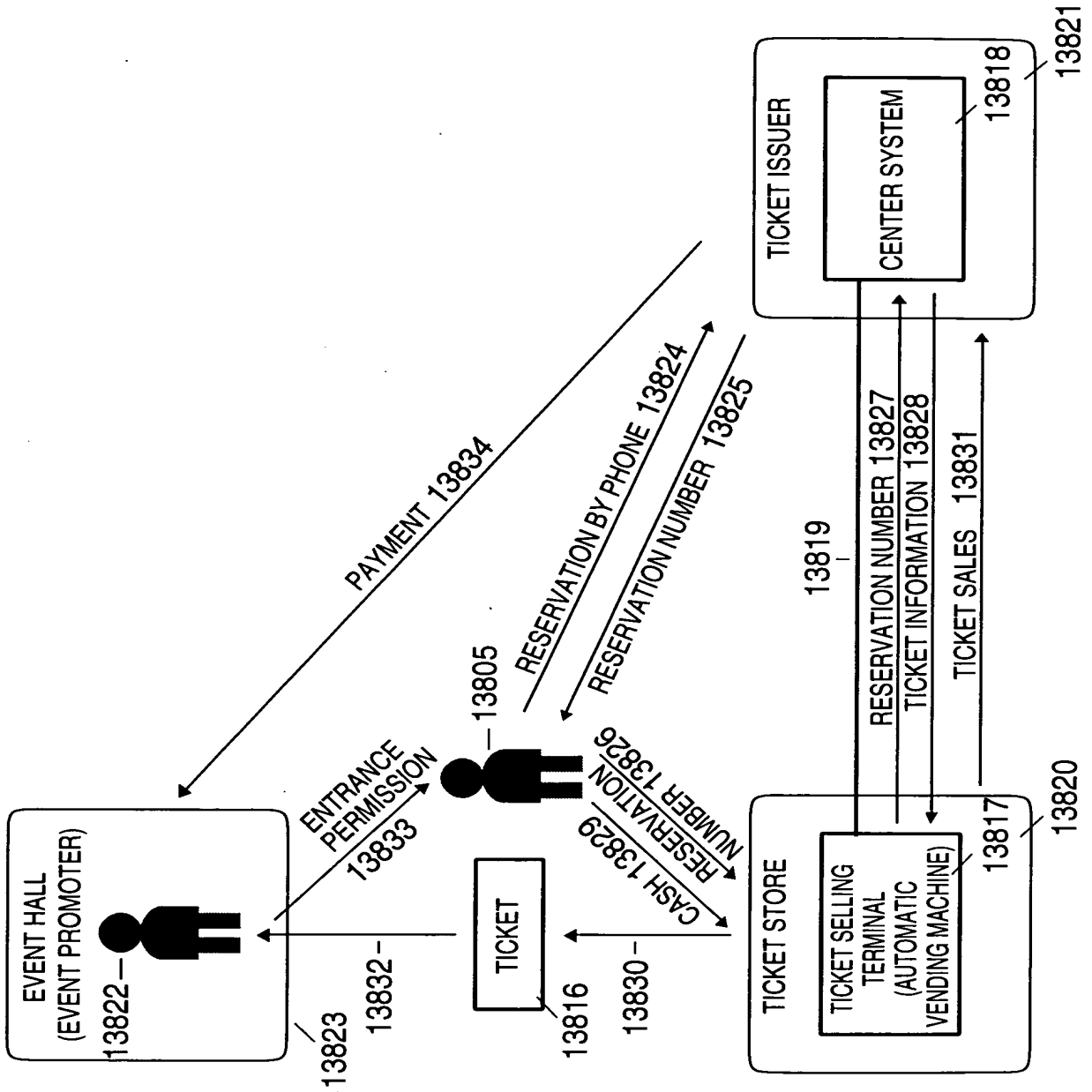


FIG. 138B

FIG.139B

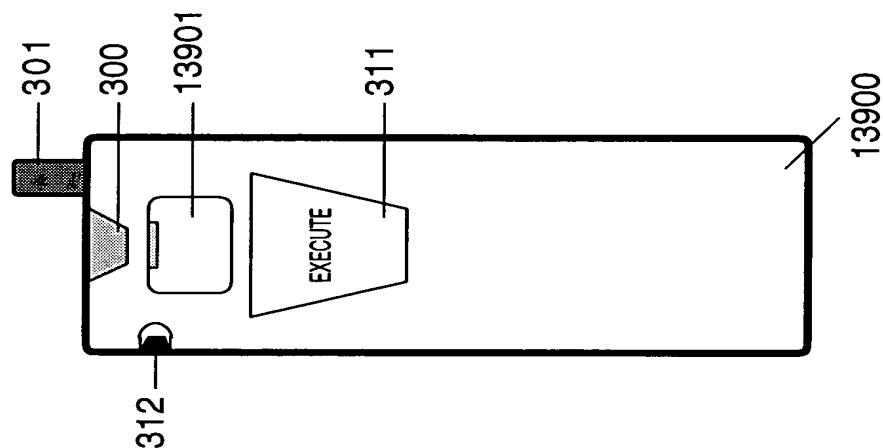
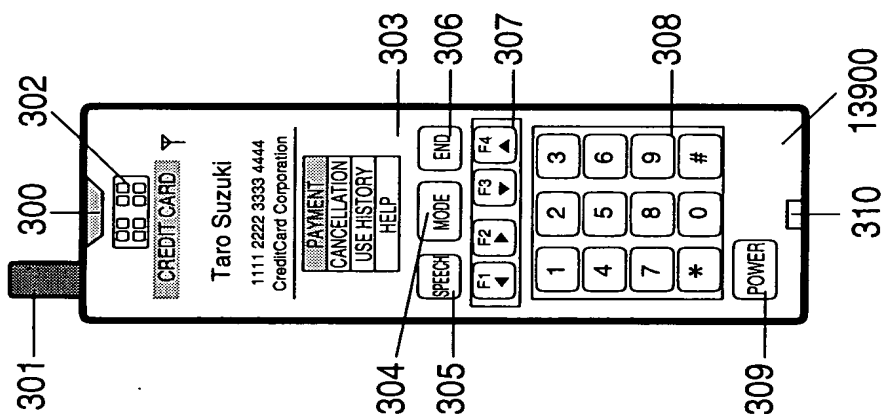
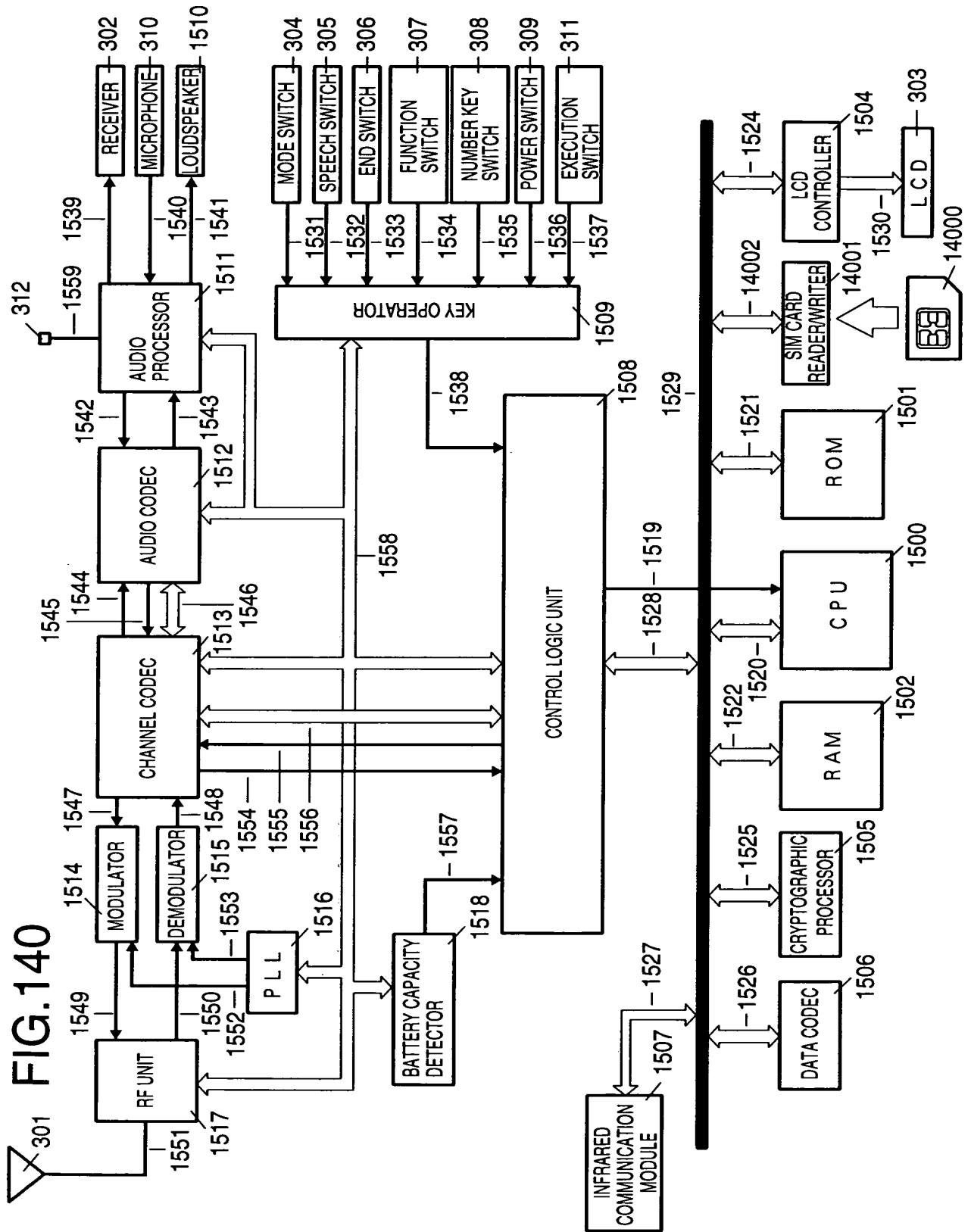


FIG.139A



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FIG.141A

FIG.141B

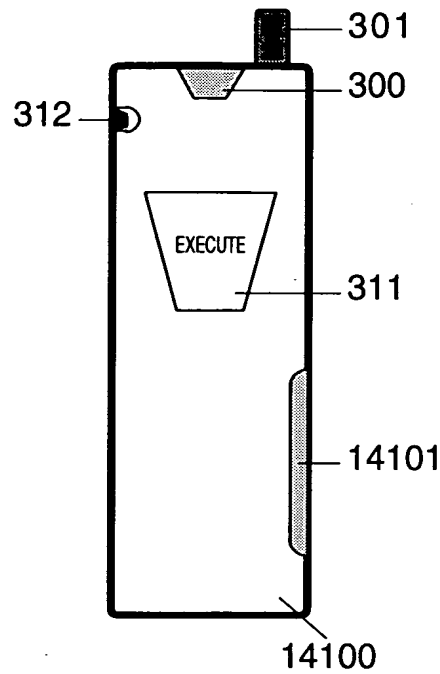
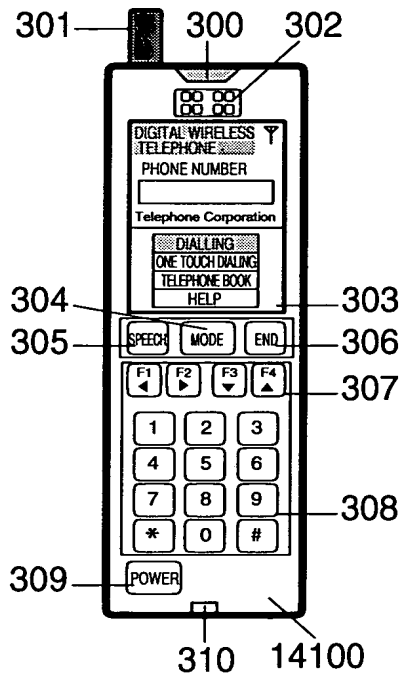
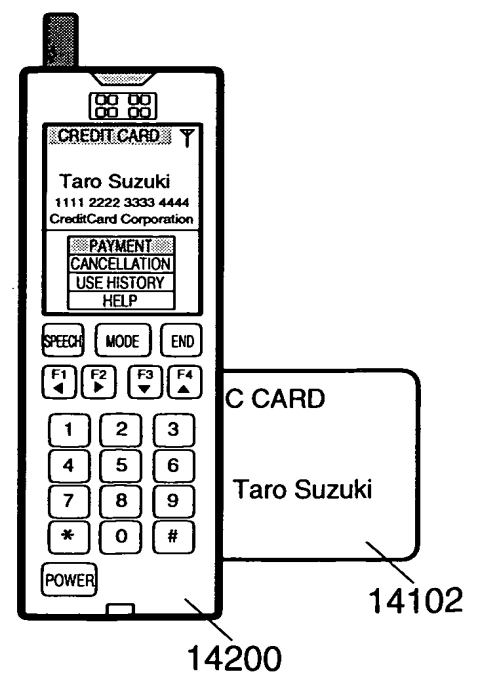
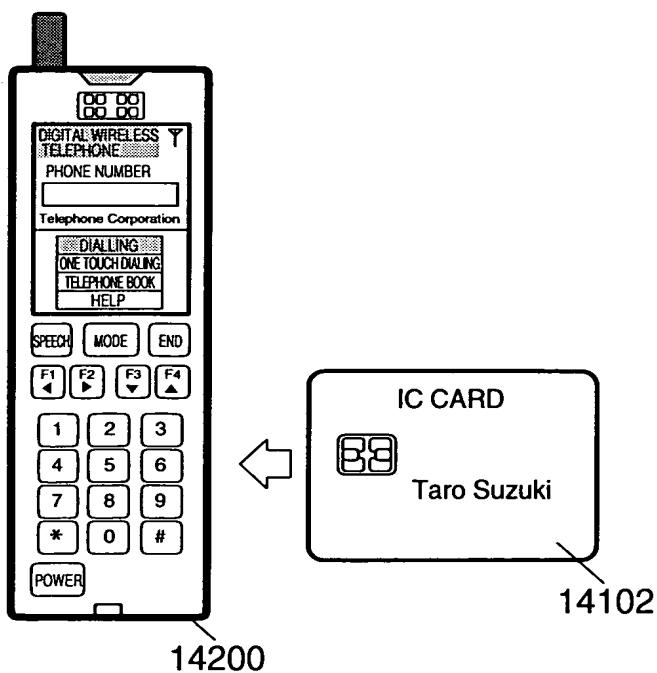


FIG.141C

FIG.141D



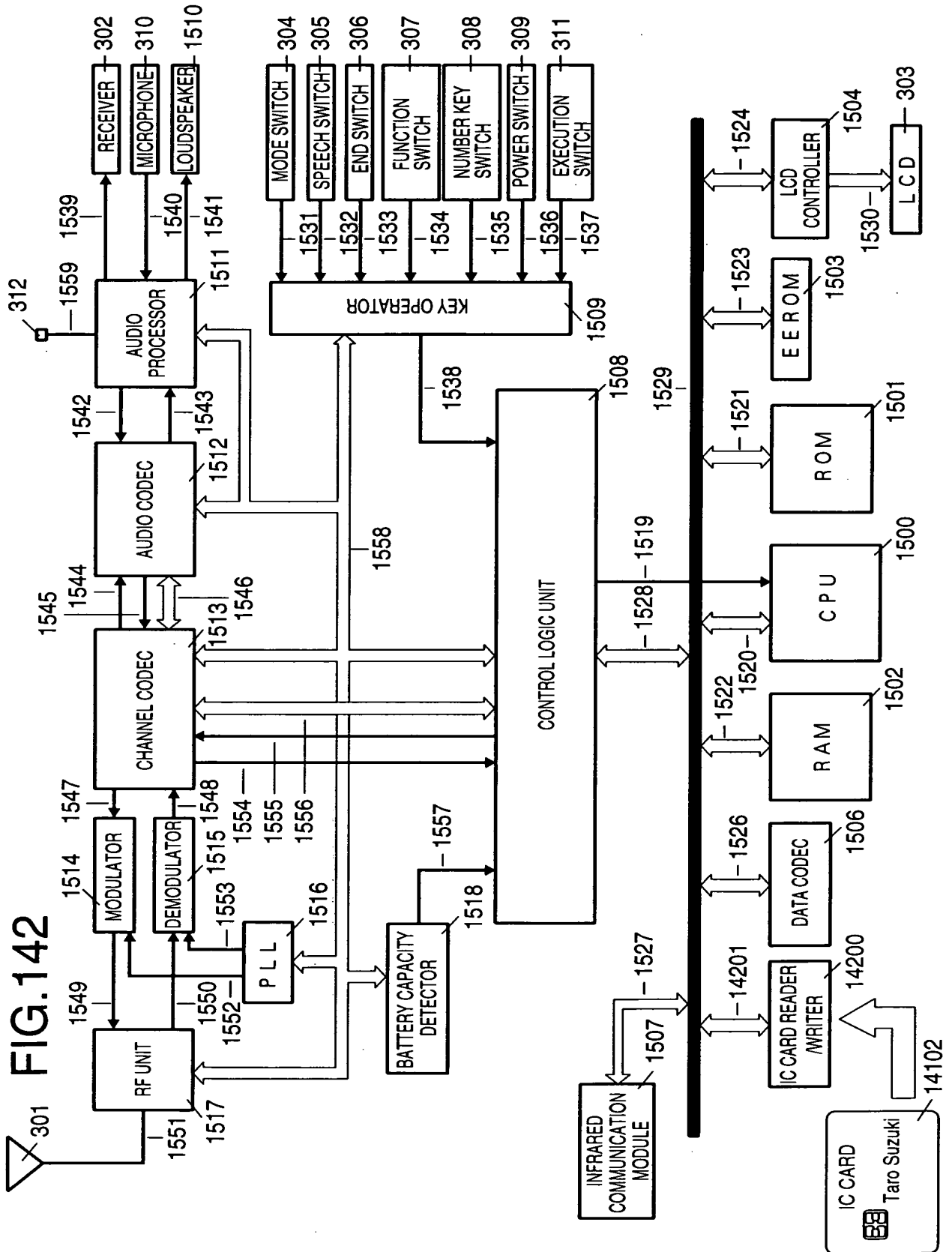
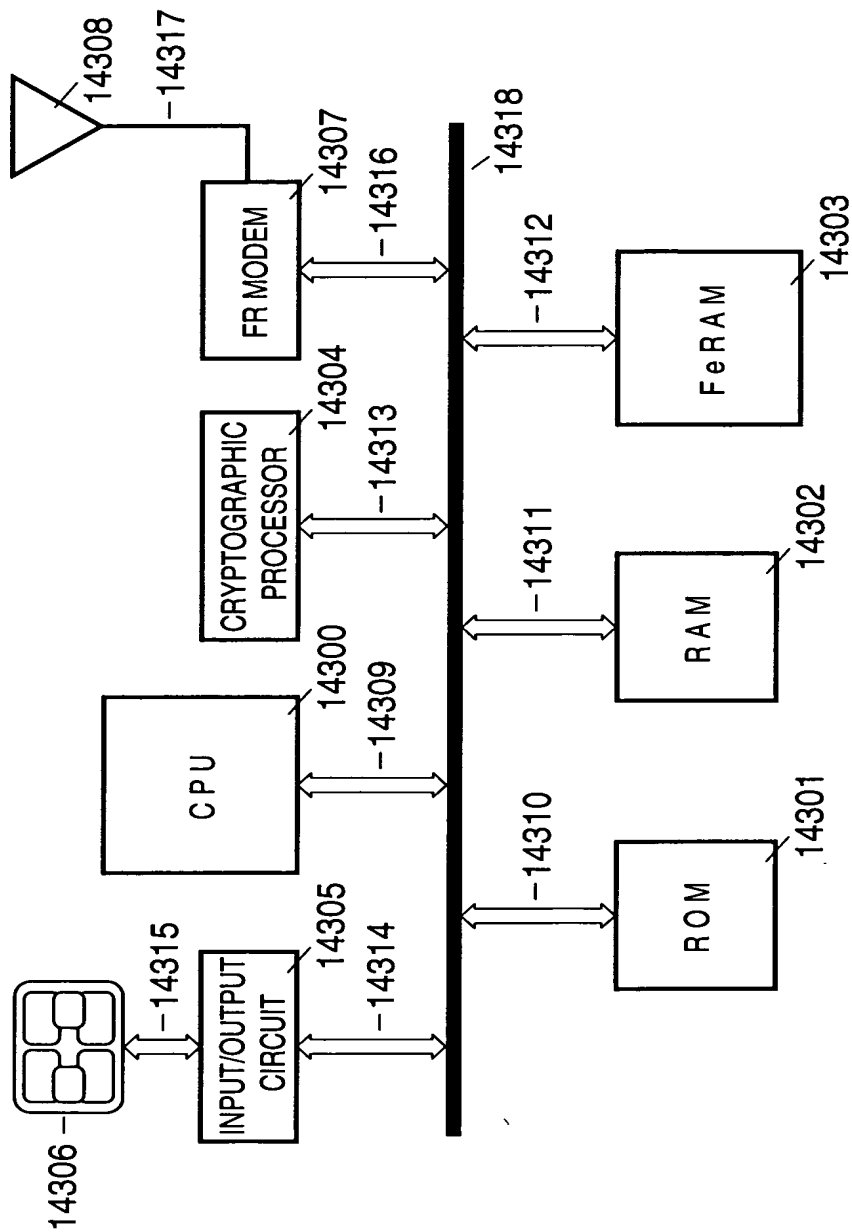




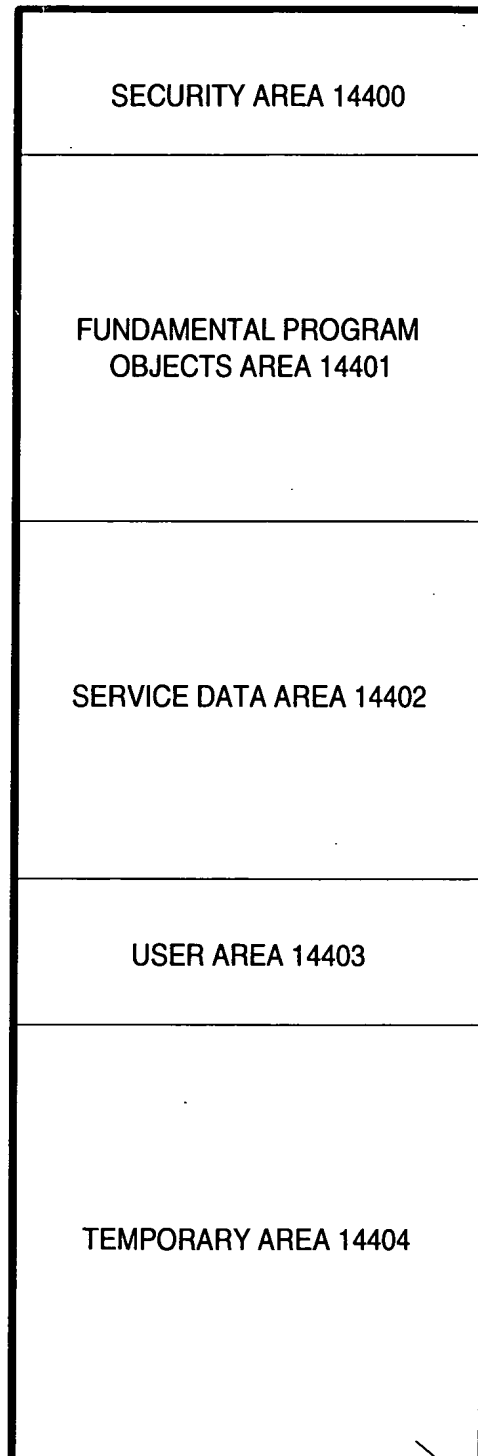
FIG.143



Continued

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FIG.144



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